

NUMBER MAGIC

Adventures with numbers

NUMBER MAGIC
Grade 2

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Hemlock

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WEBSTER PUBLISHING COMPANY
St. Louis Atlanta Dallas Los Angeles

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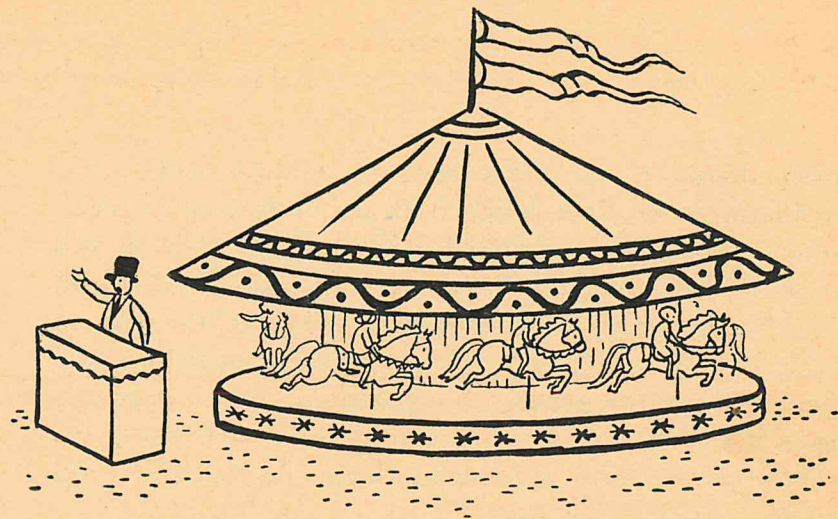
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To The Teacher

Number Magic is the third book of a three-book arithmetic readiness series. It is designed for use in the second grade. Since the vocabulary is controlled at first reader level, it will present no reading difficulty for the average pupil. All words above the first reader level are listed at the bottom of the page on which they first occur. If a group is noticeably retarded in reading, their progress in number understanding will be greatly facilitated if the teacher takes care to note in each lesson the words above primer level and teaches them with the new words listed at the bottom of the page.

The book is divided into seven experience units. The first unit, "The Fair", reviews the number combinations with sums or minuends up to 5. In the second unit, "The Children's Pets", the recognition and writing of numbers and number words up to ten are reviewed. The recognition of the numbers up to 20 is introduced, and addition and subtraction facts up to totals of 7 are reviewed. Unit three, "Susan's Birthday Party", reviews the ordinals and the concepts of *big* and *little* and introduces the new concepts of *tall*, *short*, *narrow*, *wide*, *thick*, *thin*, *small*, and *large*. The use of a ruler is shown and finding one-half of

a single object is demonstrated. "The Garden", unit four, presents the meaningful development of the number facts with sums or minuends of 8. Learning how the twenties and thirties are composed and written is also included. Practice is given in counting to 100. The number facts for 9 are introduced in the fifth unit, "A Visit to the Post Office". Counting by twos, by fives, and by tens is included. Through the use of many kinds of games which the children can make, the sixth unit, "Fun with Numbers", teaches the number combinations which total 10. Practice is given in writing numbers to 100 and in writing numbers by fives and tens. Through the device of making no score in a game the concept of zero as a place holder is introduced. Unit seven, "Measuring Things", includes Roman numbers to 12, number stories about 11 and 12, telling time to the whole or half hour, using a foot ruler, and the concept of dozen and half dozen.

Each unit closes with a cumulative review page. The final unit of the book, unit eight, reviews all of the material taught. The book closes with "My Page" on which the child records number facts about himself and his daily life.

Unit 1. The Fair

3



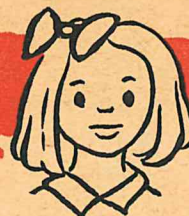
John



Susan



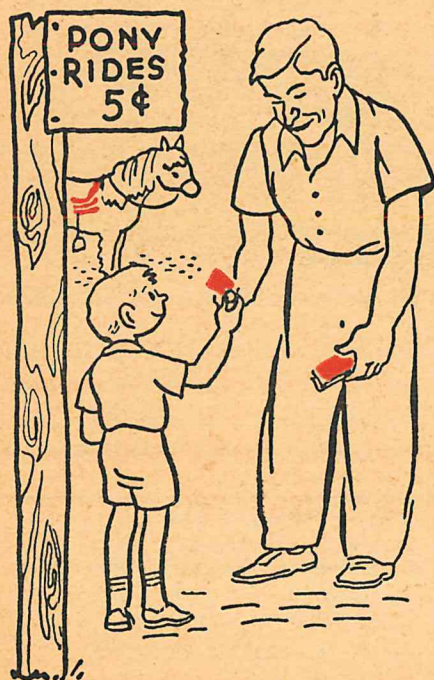
David



Mary



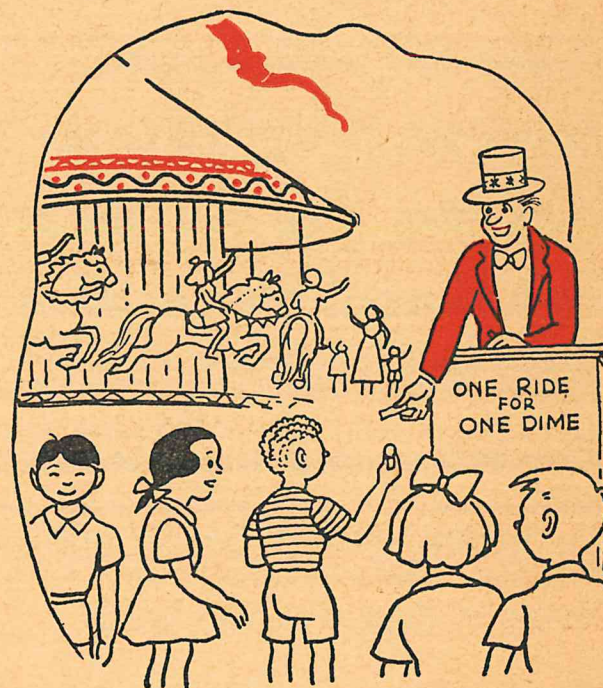
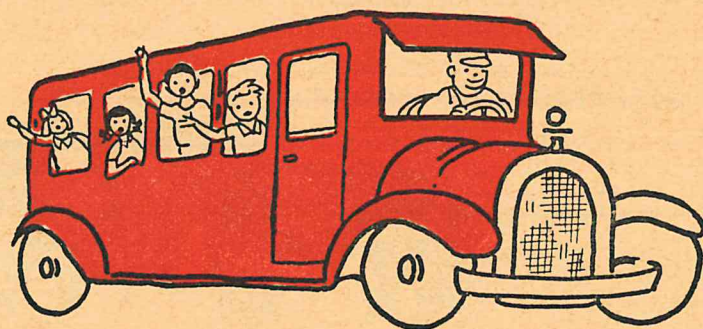
Bob



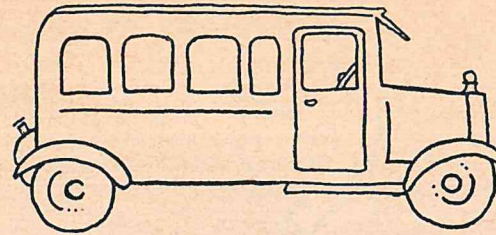
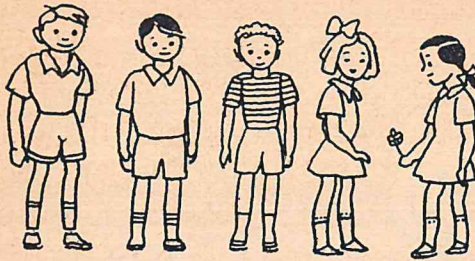
nickel



dime



To the Teacher: The first page of this and subsequent units may be used as the basis for a group discussion of the topic and the introduction of new words and ideas. Do all of the group know the relative values of the nickel and the dime? The basic vocabulary used in this book is the generally-approved one for the primer and first grade. Words used beyond that level are listed at the bottom of the page upon which they first appear. New words: dime, fair, merry-go-round, nickel.



David, John, Bob, Mary, and Susan went to the Fair.

They rode on the bus.

A bus ride costs a nickel.

Susan put three nickels into the box.

Ding, ding, ding went the bell.

John dropped two nickels into the box.

Ding, ding went the bell.

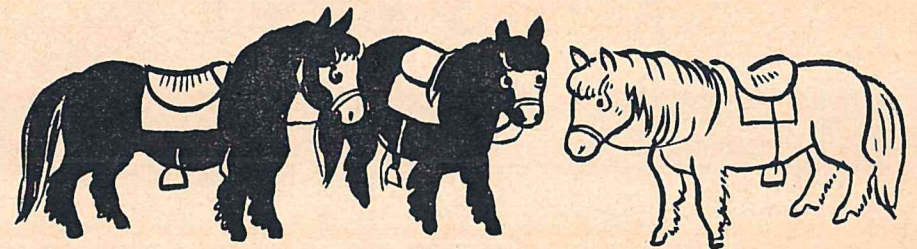
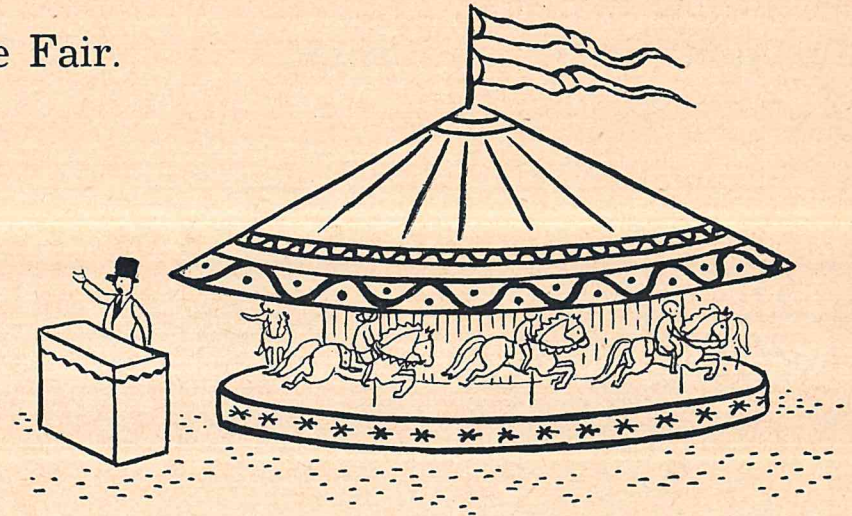
The bus turned right at the first street.

It turned left at the second street.

Soon it came to the Fair.

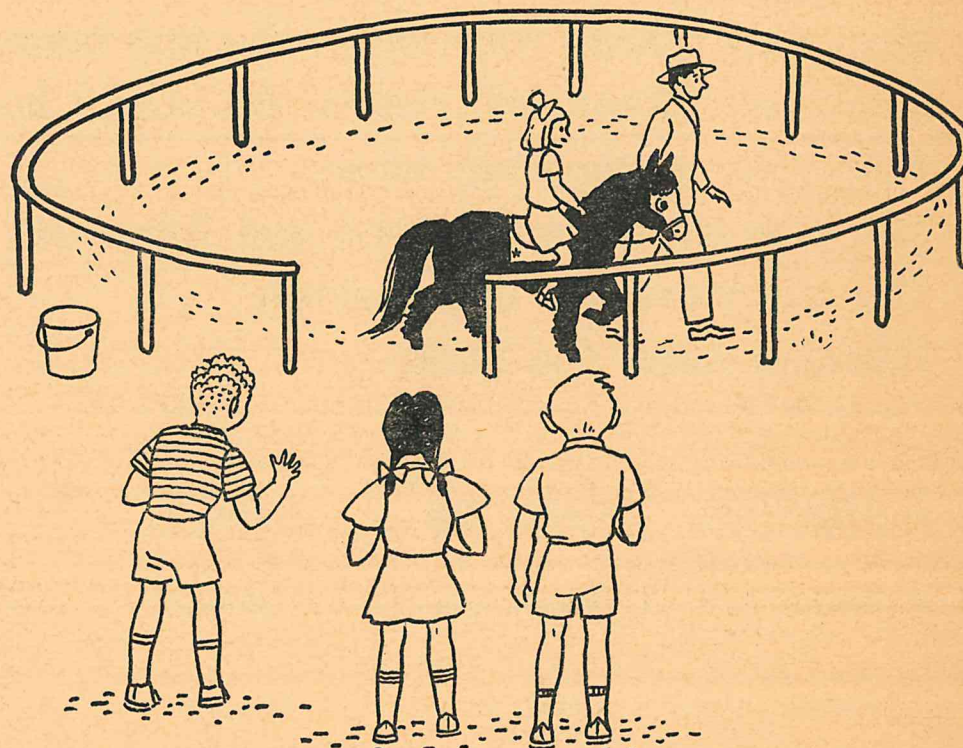
The children could see the ponies.

They could see the merry-go-round.





David had five nickels for pony rides.
 Mary had the first ride.
 John had the second ride.
 Susan had the third ride.
 Bob had the fourth ride.
 David had the last ride.
 The pony walked slowly.
 The pony ran fast.



3 nickels and 2 nickels are ____ nickels.

2 nickels and 3 nickels are ____ nickels.

4 nickels and 1 nickel are ____ nickels.

1 nickel and 4 nickels are ____ nickels.

To the Teacher: Use objects to check on children's understanding of the ordinals, first, second, third, and fourth. The children should be told that where a blank space is left they are to fill it in with the right number. New words: fourth, slowly, third.

The Merry-Go-Round



David, John, Bob, Mary, and Susan rode on the merry-go-round.

One ride costs one dime.

Mary said, "David will ride on the first horse."

John said, "Susan will ride on the second horse."

Mary rode on the third horse.

Bob rode on the fourth horse and John rode on the fifth horse.

The merry-go-round moved slowly.

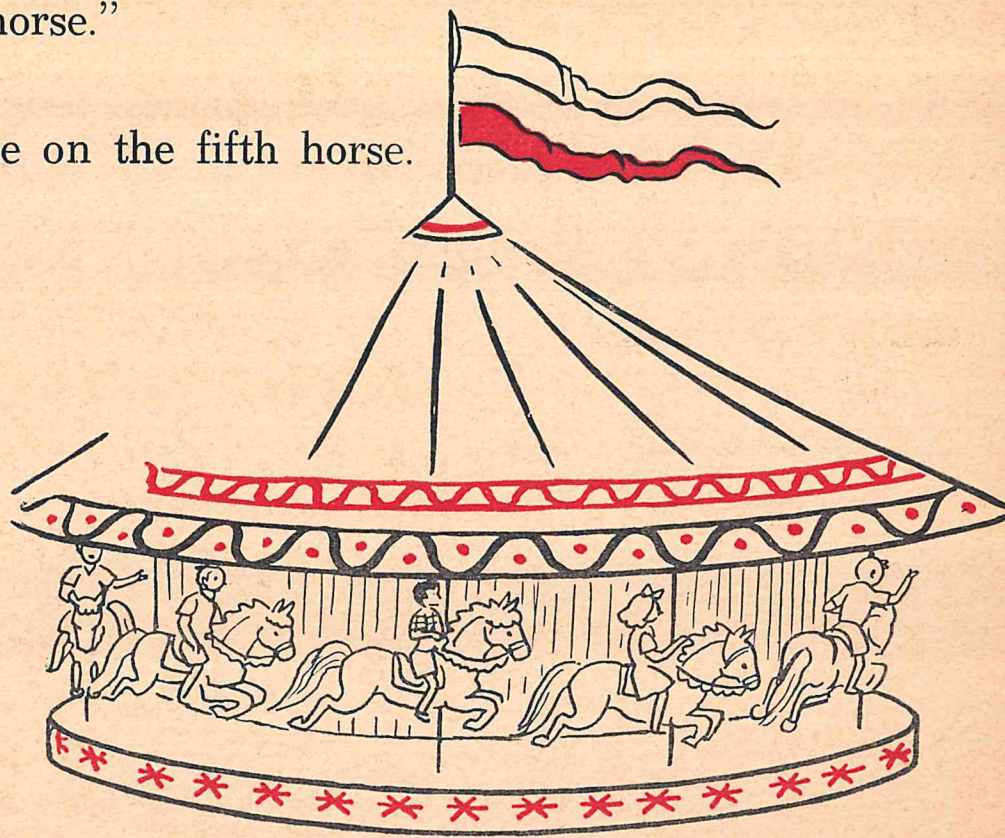
It moved faster and faster.

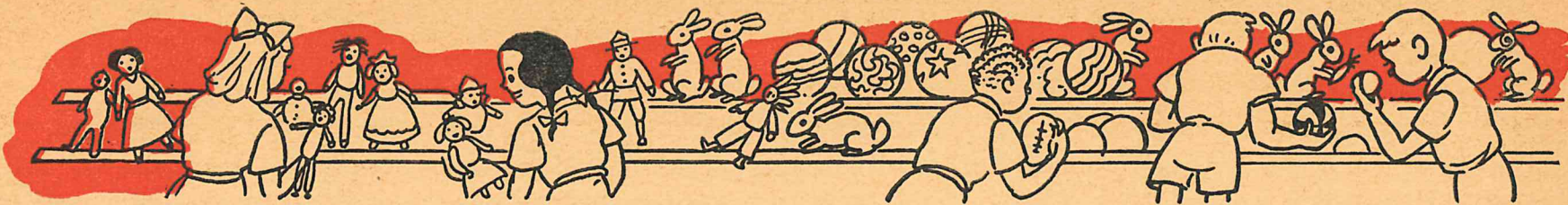
3 dimes and 2 dimes are ____ dimes.

2 dimes and 3 dimes are ____ dimes.

4 dimes and 1 dime are ____ dimes.

1 dime and 4 dimes are ____ dimes.





It is fun to buy things at the fair.

Mary bought ____ dolls.



2 dolls and 2 dolls are ____ dolls.

John bought ____ balls.



2 balls and 3 balls are ____ balls.

Susan bought ____ rabbits.



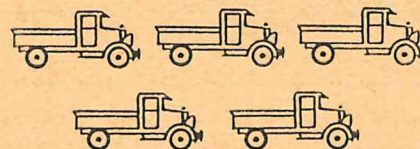
2 rabbits and 1 rabbit are ____ rabbits.

Bob bought ____ mice.



1 mouse and 3 mice are ____ mice.

David bought ____ trucks.



3 trucks and 2 trucks are ____ trucks.

Mary's father took them home from the fair.



The children told their teacher about the Fair.

Mary said, "We rode on the ponies."

Bob said, "There were two black ponies and one white pony."

Color the black ponies.

The teacher wrote on the blackboard.

2 ponies and 1 pony are 3 ponies.

2 ponies + 1 pony = 3 ponies.

Susan said, "+ means and or add."

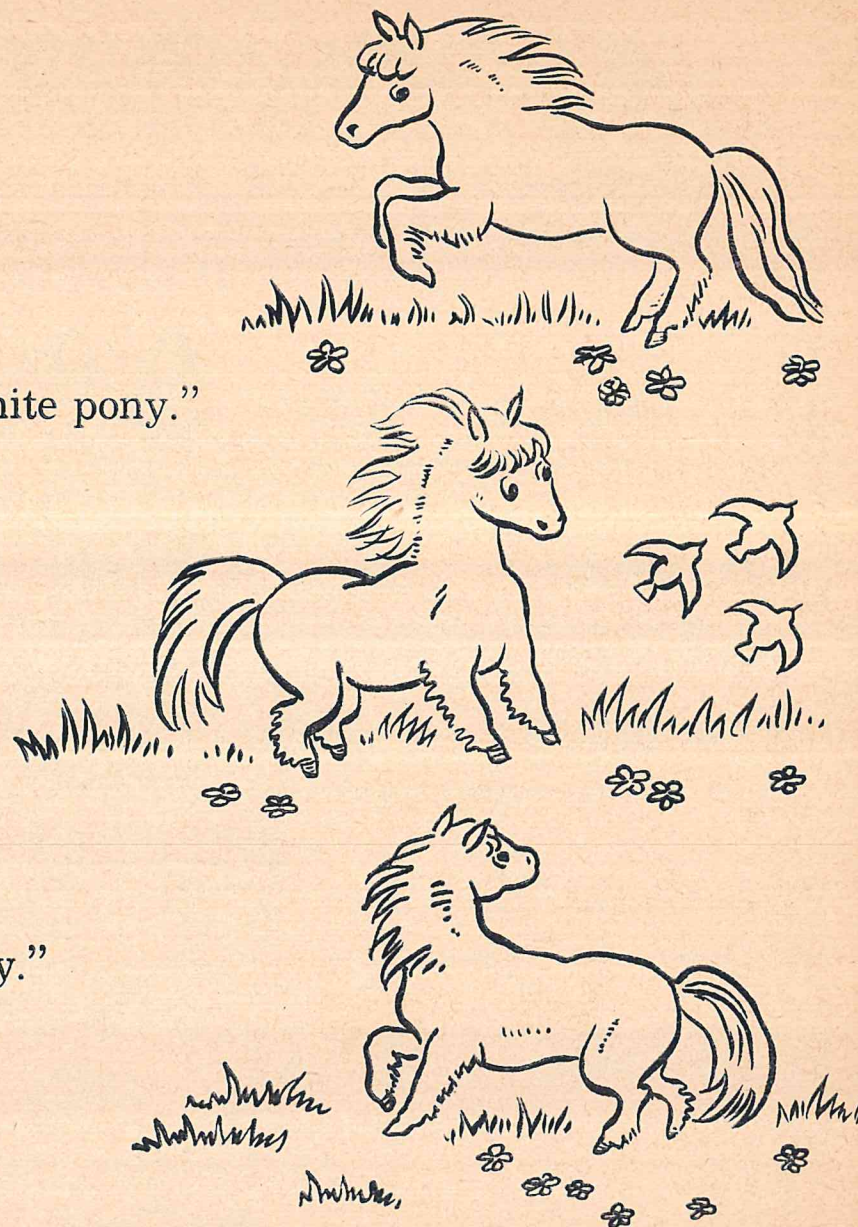
John said, "= means are or equals."

David said, "This is adding. I can do it another way."

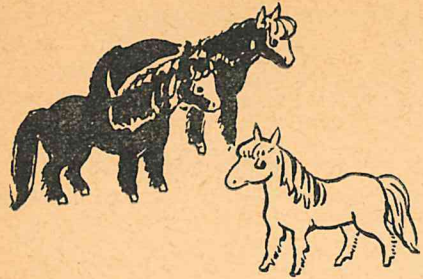
He wrote it like this:

$$\begin{array}{r} 2 \\ + 1 \\ \hline 3 \end{array}$$

David knew that + is called plus.



1.



2 ponies and 1 pony are ____ ponies.

$$2 + 1 = \underline{\quad}$$

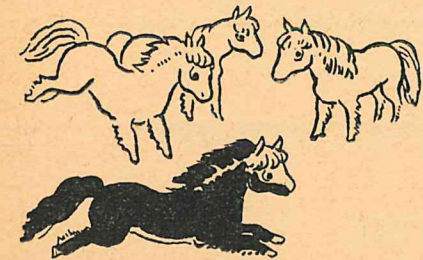
2	1
+ 1	+ 2
<hr style="width: 50px; border: 0.5px solid black;"/>	<hr style="width: 50px; border: 0.5px solid black;"/>

2 ponies + 1 pony = ____ ponies.

$$1 + 2 = \underline{\quad}$$

1 pony + 2 ponies = ____ ponies.

2.



3 ponies and 1 pony are ____ ponies.

$$3 + 1 = \underline{\quad}$$

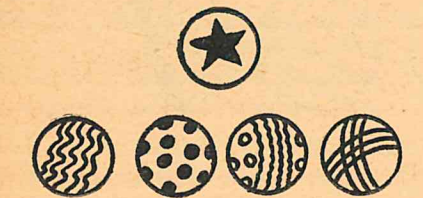
3	1
+ 1	+ 3
<hr style="width: 50px; border: 0.5px solid black;"/>	<hr style="width: 50px; border: 0.5px solid black;"/>

3 ponies + 1 pony = ____ ponies.

$$1 + 3 = \underline{\quad}$$

1 pony + 3 ponies = ____ ponies.

3.



1 ball and 4 balls are ____ balls.

$$1 + 4 = \underline{\quad}$$

1	4
+ 4	+ 1
<hr style="width: 50px; border: 0.5px solid black;"/>	<hr style="width: 50px; border: 0.5px solid black;"/>

1 ball + 4 balls = ____ balls.

$$4 + 1 = \underline{\quad}$$

4 balls + 1 ball = ____ balls.

Add. If you get them all right in this row, color the star blue.

$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	
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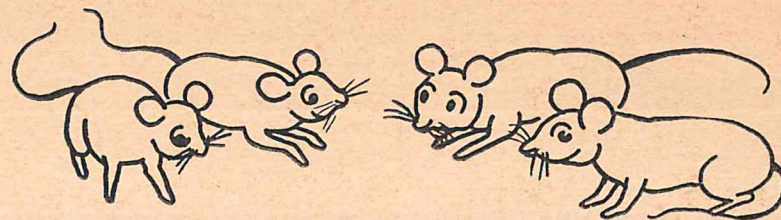


1. Mary bought 4 dolls at the fair.

She gave 2 dolls to Susan.

How many dolls did Mary have left? ____

2 dolls from 4 dolls are ____ dolls.



3. Bob had 4 white mice.

He gave 1 mouse to David.

Put a ring around the mouse he gave to David.

How many mice did Bob have left? ____

1 mouse from 4 mice are ____ mice.



2. David bought 5 trucks at the fair.

He gave 3 trucks to Bob.

How many trucks did David have left? ____

3 trucks from 5 trucks are ____ trucks.

5 trucks take away 3 trucks are ____ trucks.



4. John had 5 balls.

He gave 2 balls to Susan.

John had ____ balls left.

2 balls from 5 balls are ____ balls.

5 balls take away 2 balls are ____ balls.

Susan took her three rabbits to school.

She gave one rabbit to Mary.

How many rabbits did Susan have left? ____

The teacher wrote on the blackboard.

3 rabbits take away 1 rabbit are 2 rabbits.

3 rabbits – 1 rabbit are 2 rabbits.

John knew that – means take away.

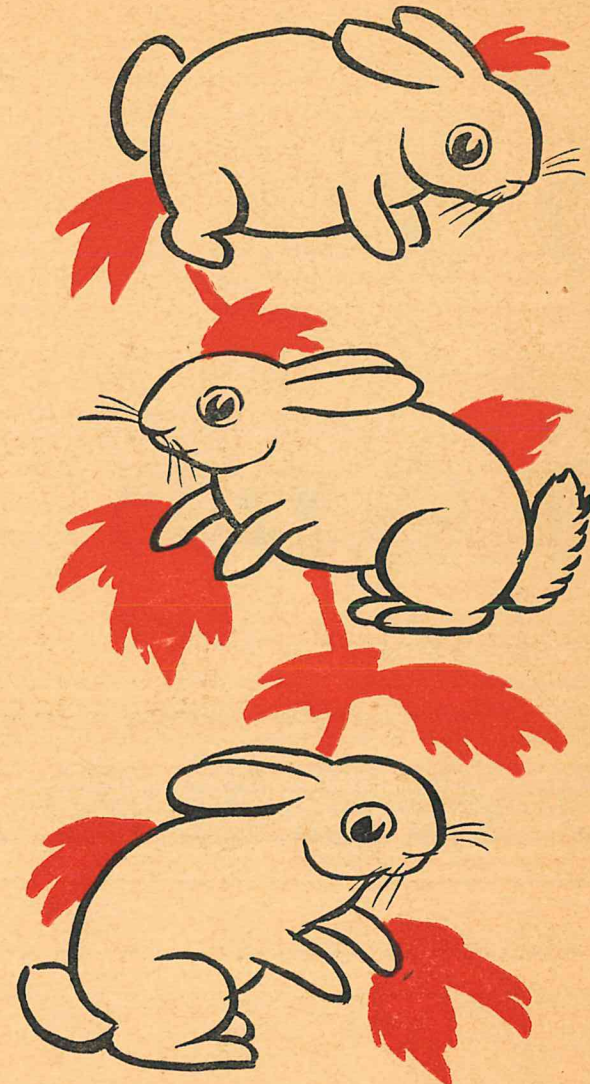
The teacher said, “This new sign is called minus.”

The sign – (minus) means subtract or take away.

3 rabbits minus 1 rabbit are ____ rabbits.

3 rabbits – 1 rabbit = ____ rabbits.

3 – 1 = ____





$$2 - 1 = \underline{\quad}$$

1 ball from 2 balls is ball.

2 balls - 1 ball = ball.

$$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$$

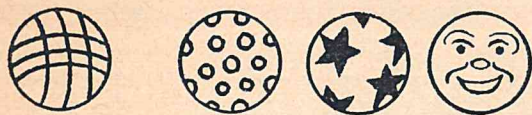


$$3 - 1 = \underline{\quad}$$

1 ball from 3 balls are balls.

3 balls - 1 ball = balls.

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$

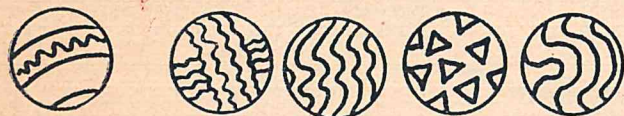


$$4 - 1 = \underline{\quad}$$

1 ball from 4 balls are balls.

4 balls - 1 ball = balls.

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$



$$5 - 1 = \underline{\quad}$$

1 ball from 5 balls are balls.

5 balls - 1 ball = balls.

$$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$$

$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$
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Remember: To find how many all together, you add. To find how many are left, you subtract.



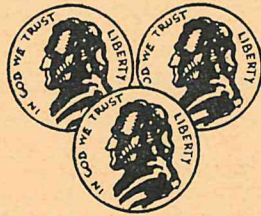
$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

1. John has 3 tops.
He gives 1 top to Mary.
How many tops does John have left? _____



$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$

4. Bob has 3 kittens.
David has 2 kittens.
How many kittens are there in all? _____



$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

2. David has 3 nickels.
Bob has 1 nickel.
Together they have _____ nickels.



$$\begin{array}{r} 5 \\ 2 \\ \hline \end{array}$$

5. Tom has 5 cents.
He spends 2 cents.
How many cents has he left? _____



$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

3. Susan sees 4 ponies.
1 pony runs away.
How many ponies are left? _____





$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$




6. Mary has 2 dolls.
Susan has 3 dolls.
Together they have _____ dolls.

To the Teacher: Have the children write a "+" or "-" sign before the lower number, find the result, and write it in the blank space. Many children can work these easy problems without the picture aids. New word: remember.

Write the answers. If you get them all right in a row, color the star blue.

$\begin{array}{r} \bullet \\ \bullet \\ 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \\ \bullet \\ 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \\ \bullet \\ 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \\ \bullet \\ 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ \bullet \\ 3 \\ + 2 \\ \hline \end{array}$	
$\begin{array}{r} \bullet \bullet \\ 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \\ 3 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \\ 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \\ 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \\ 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \bullet \\ 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \bullet \\ 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \bullet \\ 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} \bullet \bullet \bullet \bullet \bullet \\ 5 \\ - 3 \\ \hline \end{array}$	

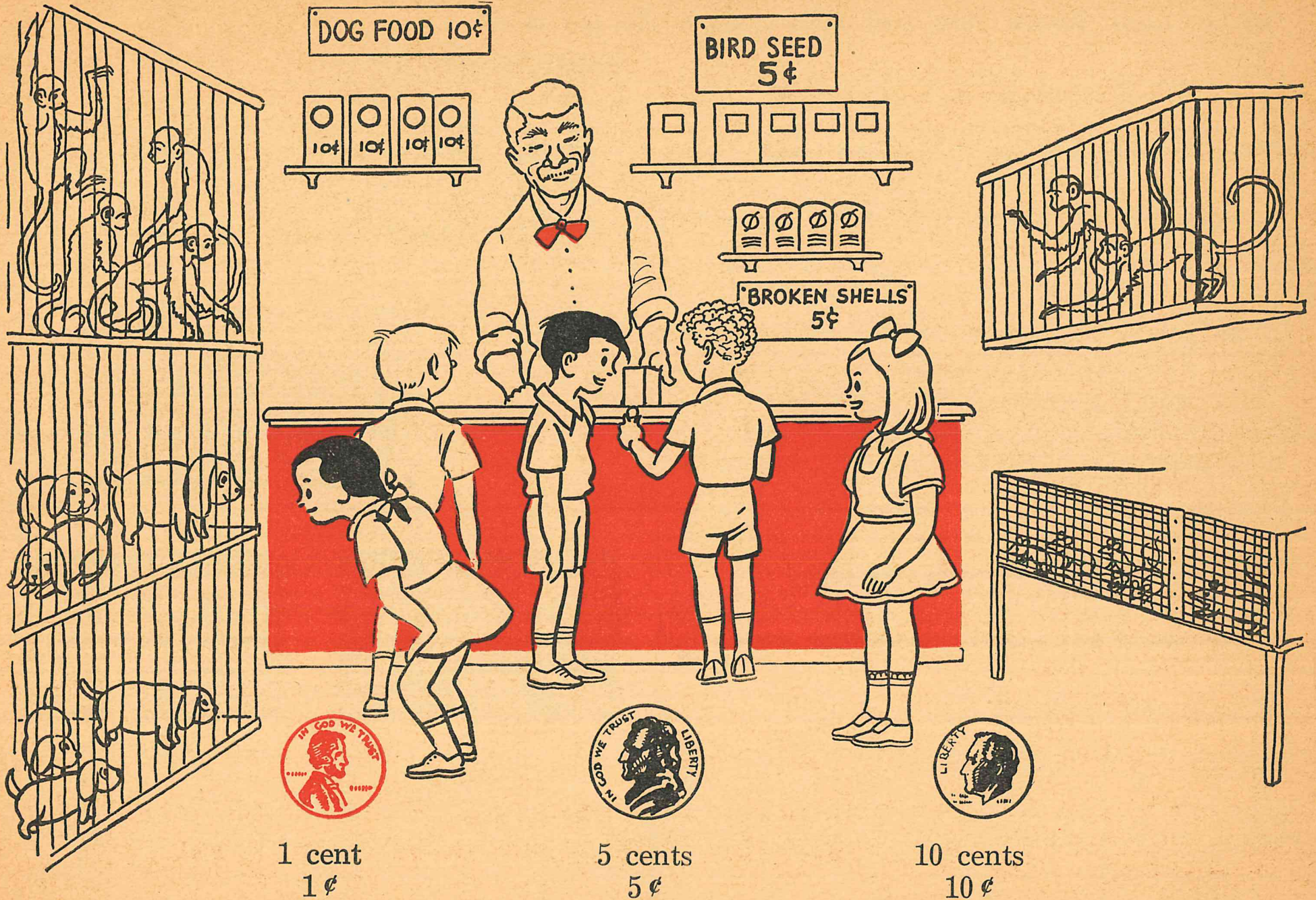
Do what the signs tell you to do.

$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	
$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$	
$3 + 2 = \underline{\quad}$	$5 - 3 = \underline{\quad}$	$2 + 3 = \underline{\quad}$	$5 - 2 = \underline{\quad}$	$2 + 2 = \underline{\quad}$						
$1 + 4 = \underline{\quad}$	$5 - 1 = \underline{\quad}$	$3 + 1 = \underline{\quad}$	$4 - 3 = \underline{\quad}$	$4 - 2 = \underline{\quad}$						

To the Teacher: The children should know or learn these number facts and should recognize groups of 1, 2, 3, 4, and 5. New word: write.

Unit 2. The Children's Pets

15



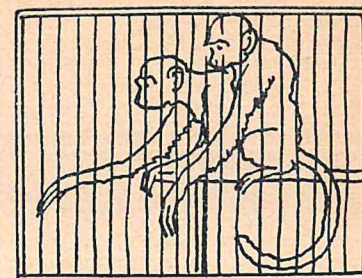
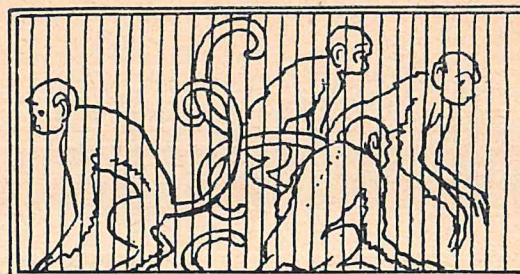
To the Teacher: Explain the meaning of ¢. New word: cent.

Mary, David, Susan, Bob, and John went to the pet store.

They saw 4 monkeys in a large cage.

They saw 2 monkeys in a small cage.

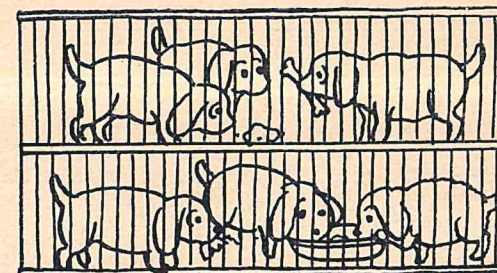
4 monkeys and 2 monkeys are ____ monkeys.



They saw 3 puppies in the top part of a cage.

They saw 3 puppies in the bottom part of a cage.

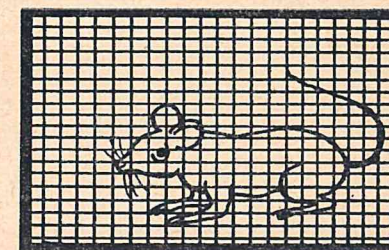
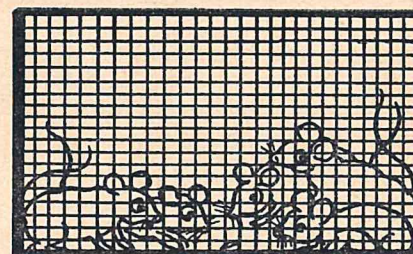
3 puppies and 3 puppies are ____ puppies.



They saw 5 little mice in one cage.

They saw 1 big mouse in another cage.

5 mice and 1 mouse are ____ mice.



$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$$

To the Teacher: Aid the children with new words as bottom, part, and puppies. It is important that the new number facts be learned. Use concrete objects and pictures. The new facts are mixed with the previous ones so as to give frequent repetition.



=



1 nickel = 5¢

1¢ means 1 cent

1 nickel
5¢

1 cent
1¢

1 cent
1¢

1 cent
1¢

1 cent
1¢

1 cent
1¢

1 nickel = ____ cents.

1 nickel = ____ ¢



=



1 dime = ____ cents.

1 dime = ____ ¢

Put a ring around the one that will buy more.

4 cents or 2 cents

6 cents or 5 cents

4 cents or 6 cents

2¢ or 4¢

5¢ or 7¢

10¢ or 8¢

10¢ or 5¢

1¢ or 10¢

6¢ or 7¢

a nickel or a dime

6 cents or a nickel

a dime or 9 cents

Do what the signs tell you to do.

$$\begin{array}{r} 2¢ \\ + 2¢ \\ \hline \end{array}$$

$$\begin{array}{r} 1¢ \\ + 1¢ \\ \hline \end{array}$$

$$\begin{array}{r} 2¢ \\ + 3¢ \\ \hline \end{array}$$

$$\begin{array}{r} 1¢ \\ + 5¢ \\ \hline \end{array}$$

$$\begin{array}{r} 3¢ \\ - 2¢ \\ \hline \end{array}$$

$$\begin{array}{r} 2¢ \\ + 4¢ \\ \hline \end{array}$$

$$\begin{array}{r} 4¢ \\ - 3¢ \\ \hline \end{array}$$

$$\begin{array}{r} 4¢ \\ + 2¢ \\ \hline \end{array}$$

$$\begin{array}{r} 5¢ \\ - 4¢ \\ \hline \end{array}$$

$$\begin{array}{r} 3¢ \\ + 3¢ \\ \hline \end{array}$$

$$\begin{array}{r} 5¢ \\ + 1¢ \\ \hline \end{array}$$

$$\begin{array}{r} 3¢ \\ + 2¢ \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

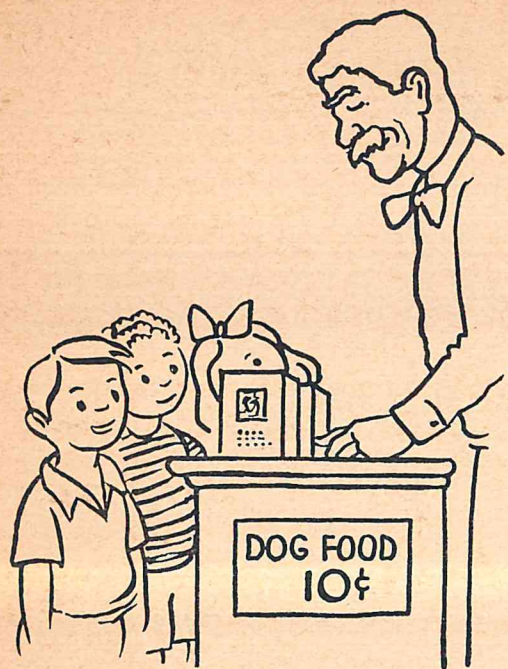
$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

New word: money.

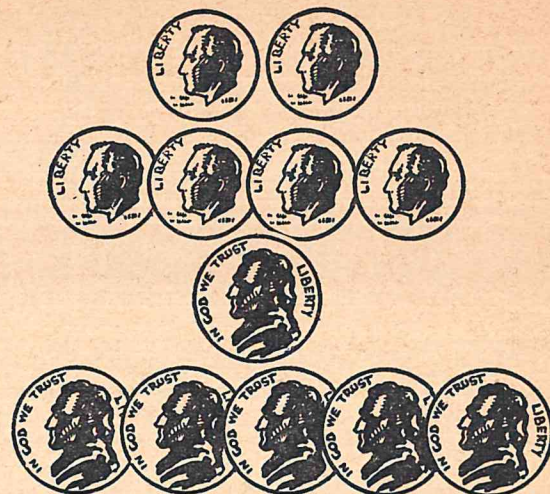


David bought 2 boxes of dog food.
He gave the storekeeper 2 dimes.

Bob bought 4 boxes of dog food.
He gave the storekeeper 4 dimes.

Susan bought 1 pound of bird seed.
She gave the storekeeper 1 nickel.

John bought 5 pounds of bird seed.
He gave the storekeeper 5 nickels.



1 dime = ____ cents. 1 nickel = ____ cents.

2 dimes and 4 dimes are ____ dimes.

5 nickels and 1 nickel are ____ nickels.



Add. If you get these all right, color the star blue.

5 + 1	4 + 2	2 + 2	1 + 5	2 + 3	3 + 3	2 + 4	1 + 1	5 + 1	3 + 3	4 + 2	3 + 2	★
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	

New word: pound.



Susan and Mary fed the birds.

Susan took 3 pints of popcorn.

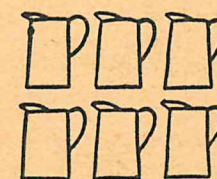
Mary took 3 pints of popcorn.

3 pints and 3 pints are ____ pints.



Susan took 4 quarts of bird seed.

Mary took 2 quarts of bird seed.

4 quarts and 2 quarts are ____ quarts.



Add.

$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	
$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	

To the Teacher: Let the children have many concrete experiences with the pint and quart measures. Let them discover how many pints in a quart. Give them opportunities to use these measures frequently until the pint and quart are fixed in their thinking. New words: pint, popcorn, quart.

Feeding the Birds in Winter

Susan bought 6 pounds of food for the birds.

6

John bought 4 pounds of food for the birds.

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

How many more pounds did Susan buy than John? ____

David bought 6 pounds of broken shells for the birds.

6

Mary bought 2 pounds of broken shells for the birds.

$$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$$

David bought ____ more pounds of shells than Mary.

Bob bought 6 pounds of raisins for the birds.

6

John bought 3 pounds of raisins for the birds.


$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

How many fewer pounds of raisins did John buy than Bob? ____

To find how many more than or how many less than, you always subtract.

____ 6 is how many more than 4? ____ 2 is how many less than 6? ____

Subtract. Write the answers. Color the star blue if they are all right.

$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	
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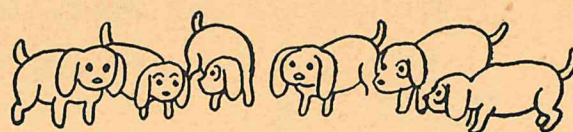
To the Teacher: Help the children to fix the ideas of *more than*, *fewer than*, and *less than*. New words: broken, fewer, less, raisins, shell.



Color 5 birds red.

Color 1 bird blue.

$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 5 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ + 5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$$



Color 2 puppies yellow.

Color 4 puppies brown.

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ + 2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$



Color 3 birdhouses green.

Color 3 birdhouses red.

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

Mary's story: 4 monkeys and 2 monkeys are how many monkeys? ____

John's story: 5 mice and 1 mouse are how many mice? ____

David's story: I had 6 dimes and gave 4 dimes for dog food. How many dimes have I left? ____

Susan's story: A nickel and 1 cent = ____ cents.

Bob's story: I had 5 mice and 2 mice ran away. How many mice have I left? ____

Do You Add or Subtract?

1. Tom had 6 dimes. 6
 He lost 1 dime. 1

He had ____ dimes left.

5. Mary has 6 dimes. 6
 Susan has 3 dimes. 3

Mary has ____ dimes more than Susan.

2. Mary has 2 nickels. 2
 Susan has 4 nickels. 4

Together they have ____ nickels.

6. David has 4 old nickels. 4
 He has 2 new nickels. 2

David has ____ nickels.

3. David has 6 dimes. 6
 John has 2 dimes. 2

David has ____ more dimes than John.

7. Bob has 3 dimes. 3
 Tom has 3 dimes. 3

Together they have ____ dimes.

4. Bob had 5 nickels. 5
 He found 1 nickel. 1

He has ____ nickels.

8. Tom has 6 nickels. 6
 Susan has 4 nickels. 4

Susan has ____ fewer nickels than Tom.

To the Teacher: Use actual coins and review relative values of the cent, the nickel, and the dime. Have the children read each problem, write a + or - before the lower number, find the result, and write it in the blank space.











1	2	3	4	5	6	7	8	9	10
one	two	three	four	five	six	seven	eight	nine	ten

To the Teacher: It is good practice to have each figure at the top traced with a pencil many times before it is written in the squares below. New word: word.

Write the numbers.

10	11	12	13	14	15	16	17	18	19

Make a ring around the number that tells how many balls.

 ⑪ 12 15 16	 12 14 16 19	 10 12 15 19	 15 16 17 18	 11 13 15 17
 17 18 19 20	 12 14 16 18	 12 14 17 19	 10 11 16 19	 10 12 13 19

Fill in the right numbers below.

$11 = 10 + 1$	$13 = 10 + \underline{\quad}$	$15 = 10 + \underline{\quad}$	$17 = 10 + \underline{\quad}$	$19 = 10 + \underline{\quad}$
$12 = 10 + \underline{\quad}$	$14 = 10 + \underline{\quad}$	$16 = 10 + \underline{\quad}$	$18 = 10 + \underline{\quad}$	$4 = 4 \text{ ones}$
$11 = 1 \text{ ten and } 1 \text{ one.}$	$13 = 1 \text{ ten and } \underline{\quad} \text{ ones.}$	$15 = 1 \text{ ten and } \underline{\quad} \text{ ones.}$		
$12 = 1 \text{ ten and } \underline{\quad} \text{ ones.}$	$14 = 1 \text{ ten and } \underline{\quad} \text{ ones.}$	$16 = \underline{\quad} \text{ ten and } \underline{\quad} \text{ ones.}$		

To the Teacher: Develop an understanding of our number system. You may use a bundle of 10 pencils or sticks as 1 ten. Then illustrate 14 as the bundle and 4 pencils, etc.

Add:



$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$$



$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$



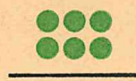
$$\begin{array}{r} 1 \\ 3 \\ \hline \end{array}$$



$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$



$$\begin{array}{r} 1 \\ 4 \\ \hline \end{array}$$



$$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$$



$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$$

Subtract:



$$\begin{array}{r} 2 \\ 1 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$$



$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$



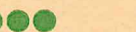
$$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$$



$$\begin{array}{r} 4 \\ 2 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$$



$$\begin{array}{r} 5 \\ 1 \\ \hline \end{array}$$



$$\begin{array}{r} 6 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$$

Write the answers:

$3 + 2 = \underline{\quad}$

$5 - 4 = \underline{\quad}$

$4 - 3 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$3 + 3 = \underline{\quad}$

$4 - 2 = \underline{\quad}$

$1 + 5 = \underline{\quad}$

$6 - 4 = \underline{\quad}$

$2 + 2 = \underline{\quad}$

$6 - 5 = \underline{\quad}$

$5 - 2 = \underline{\quad}$

$4 + 1 = \underline{\quad}$

$2 + 4 = \underline{\quad}$


$3 - 1 = \underline{\quad}$

$5 + 1 = \underline{\quad}$


$5 - 3 = \underline{\quad}$

To the Teacher: In adding, the children should think of adding groups. Drill cards like the dots may be of value. It is of great importance that these number facts be thoroughly learned. Drill cards and other devices might be used as helps. The dots above subtraction may aid the children. They may cover up the ones they take away. New word: facts.


Add. If you get them all right in a row, color the star blue.

$\begin{array}{r} 3 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 3 \end{array}$	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 1 \\ 4 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 1 \\ 5 \end{array}$	
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---

Subtract:

$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	
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Do what the signs tell you to do.

$\begin{array}{r} 5 \\ + 1 \end{array}$	$\begin{array}{r} 6 \\ - 5 \end{array}$	$\begin{array}{r} 3 \\ + 3 \end{array}$	$\begin{array}{r} 5 \\ - 3 \end{array}$	$\begin{array}{r} 2 \\ + 2 \end{array}$	$\begin{array}{r} 6 \\ - 2 \end{array}$	$\begin{array}{r} 2 \\ + 3 \end{array}$	$\begin{array}{r} 6 \\ - 3 \end{array}$	$\begin{array}{r} 4 \\ - 2 \end{array}$	$\begin{array}{r} 4 \\ + 2 \end{array}$	$\begin{array}{r} 5 \\ - 2 \end{array}$	$\begin{array}{r} 6 \\ - 4 \end{array}$	
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Write the number that tells who I am.

I am	Who am I?	I am	Who Am I?
2 more than 4	_____	3 less than 6	_____
7 minus 2	_____	two + three	_____
1 ten and 7 ones	_____	one more than four	_____
A nickel and 1 cent _____ cents.		just before 15	_____

Unit 3. Susan's Birthday Party

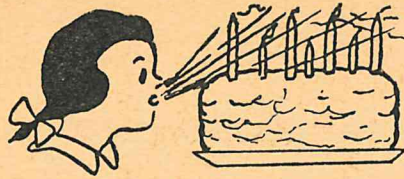
27



John



Mary



Susan

Birthday Cake



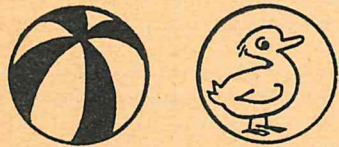
Bob



David

How many tall candles? —

How many short candles? —



Big Balls



Little Balls



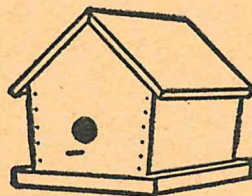
Big Doll



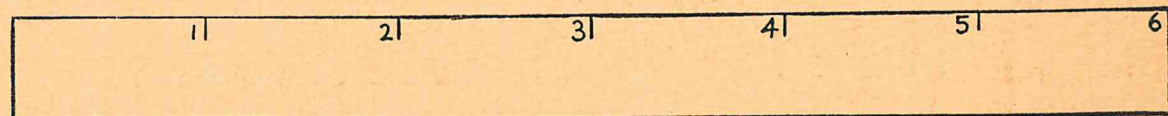
Little Dolls



Board



Wren House



Ruler

To the Teacher: Introduce the new terms and ideas. Let the children talk about birthdays, birthday parties, and birthday candles. New words: candle, ruler, short, tall, wren.

Susan's Birthday Party

Susan had a birthday party.

She had seven candles on her cake.

Three candles were short. Four candles were tall.

$$3 + 4 = \underline{\quad}$$

$$4 + 3 = \underline{\quad}$$



Color the tall candles red.

Color the short candles blue.

John and Bob came first to the party.

David came next.

Mary was the last one to come.

Susan's birthday is colored green on the calendar.

AUGUST

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

calendar

Fill in the blanks.

Susan is years old. Her birthday is August .

I am years old. My birthday is .

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$

$$3 + 4 = \underline{\quad}$$

$$3 \text{ plus } 4 = \underline{\quad}$$

$$4 + 3 = \underline{\quad}$$

$$4 \text{ plus } 3 = \underline{\quad}$$

Bob gave Susan some balls.

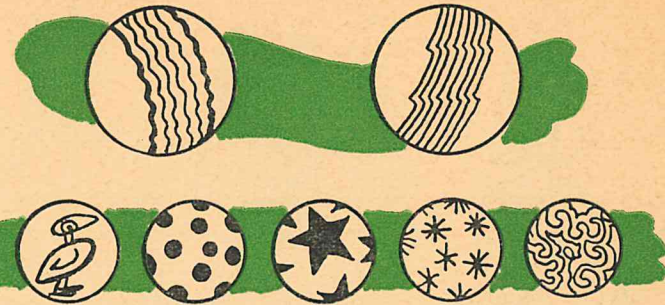
Two balls were large.

Five balls were small.

Color the large balls red.

Color the small balls yellow.

How many balls did Bob give Susan? ____



$$2 + 5 = \underline{\quad}$$

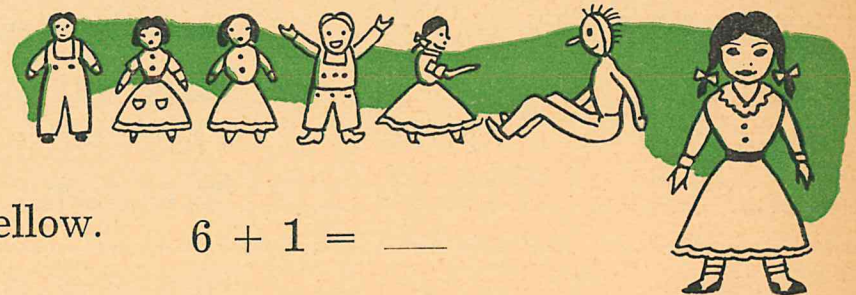
$$5 + 2 = \underline{\quad}$$

Mary gave Susan some dolls.

There were six small dolls and one large doll.

Color the small dolls blue and the large one yellow.

How many dolls did Mary give to Susan? ____



$$6 + 1 = \underline{\quad}$$

$$1 + 6 = \underline{\quad}$$

$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$
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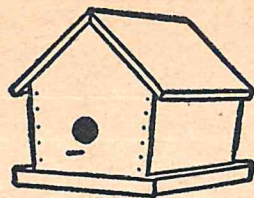
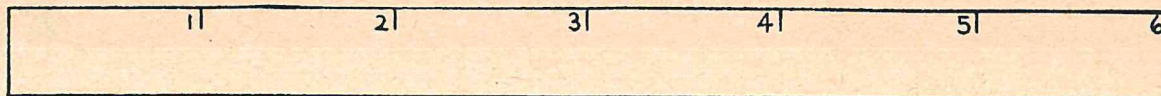
$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$
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thin board



thick board

wren
house

6-inch ruler

The boys made a bird house for Susan.
 They cut thin boards for the sides.
 They cut thin boards for the front and back.
 They cut thin boards for the top.
 They cut a thick board for the bottom.
 How many thin boards did they use? ____

How many thick boards did they use? ____

How many boards did they use in all? ____

The side boards were 5 inches wide.

The bottom board was 5 inches wide.

The top boards were 6 inches wide.

1	6	1	5	2	2	4	2	3	5	3	6
<u>+ 6</u>	<u>+ 1</u>	<u>+ 3</u>	<u>+ 2</u>	<u>+ 3</u>	<u>+ 5</u>	<u>+ 3</u>	<u>+ 4</u>	<u>+ 4</u>	<u>+ 2</u>	<u>+ 3</u>	<u>+ 1</u>

To the Teacher: Be certain that the children know the meanings of and recognize the new words. Illustrate thin, thick, wide, and inch with pieces of boards. Interest may be added by having a wren's house at school. New words: front, inch, thick, thin, wide.

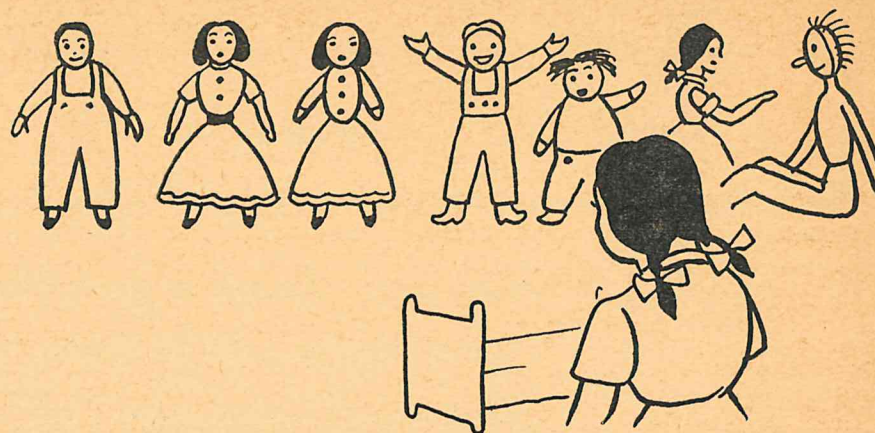
Susan got seven dolls for her birthday.

She put four dolls to bed.

How many dolls did Susan have left? ____

4 dolls from 7 dolls are ____ dolls.

7 dolls - 4 dolls are ____ dolls.



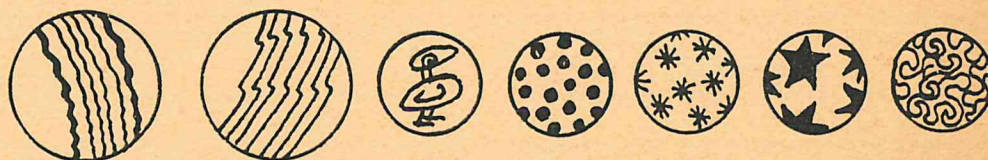
Susan got seven balls for her birthday.

She put five balls in a box.

How many balls did Susan have left? ____

5 balls from 7 balls are ____ balls.

7 balls - 5 balls are ____ balls.



$$7 - 5 = \underline{\quad}$$

$$7 - 2 = \underline{\quad}$$

$$7 - 1 = \underline{\quad}$$

$$7 - 5 = \underline{\quad}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

$$7 - 2 = \underline{\quad}$$

$$7 - 6 = \underline{\quad}$$

Do You Remember?

$$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$$

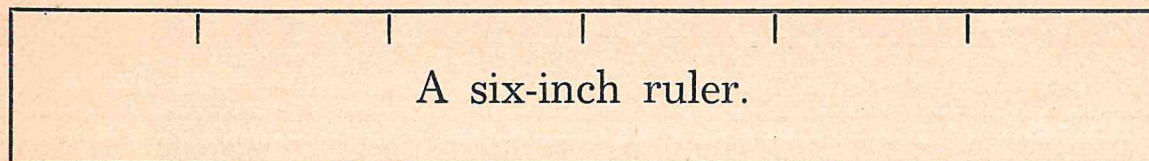
$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

A Guessing Game



2 inches

3 inches

John gave Susan a guessing game for her birthday.

There was a 6-inch ruler. There were some colored sticks.

Guess how long each stick is. Then measure it.

Write the number on each stick that tells how long it is.

2 inches

5 inches

$2 + 5 = \underline{\quad}$

inches

inches

$3 + 4 = \underline{\quad}$

inches

inch

$6 + 1 = \underline{\quad}$

How much longer is:

7 inches than 2 inches? $\underline{\quad}$ inches.

7 inches than 1 inch? $\underline{\quad}$ inches.

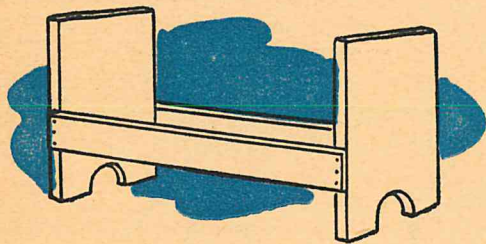
7 inches than 3 inches? $\underline{\quad}$ inches.

7 inches than 5 inches? $\underline{\quad}$ inches.

$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---	---	---

To the Teacher: Each child should have a ruler. Estimating distances and then measuring is an interesting game. Lines may be drawn on the blackboard and measured. New word: measure.

John made a doll bed for Susan.
 He used narrow boards and wide boards.
 He measured each board with a foot ruler.
 The bed was three feet long.
 It was two feet high.
 It was one foot wide.
 It was a big bed.
 Susan put all of her dolls in it.



doll bed

$$\begin{array}{r} 3 \text{ inches} \\ + 2 \text{ inches} \\ \hline \text{inches} \end{array}$$

$$\begin{array}{r} 5 \text{ inches} \\ + 2 \text{ inches} \\ \hline \text{inches} \end{array}$$

$$\begin{array}{r} 4 \text{ inches} \\ + 3 \text{ inches} \\ \hline \text{inches} \end{array}$$

$$\begin{array}{r} 7 \text{ inches} \\ - 2 \text{ inches} \\ \hline \text{inches} \end{array}$$

$$\begin{array}{r} 4 \text{ feet} \\ - 1 \text{ foot} \\ \hline \text{feet} \end{array}$$

$$\begin{array}{r} 7 \text{ dolls} \\ - 6 \text{ dolls} \\ \hline \text{dolls} \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

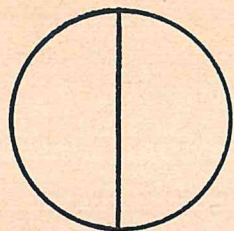
$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

Measure these lines: _____ inches

_____ inches

To the Teacher: Have the children measure objects in the schoolroom. Fix the relationship between a foot and an inch by much practice in concrete situations. New words: lines, narrow.



This big pie is cut in two parts.
The two parts are the same size.
Each part is one half. Each part is $\frac{1}{2}$.
Write $\frac{1}{2}$ on each half.

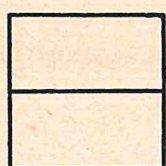
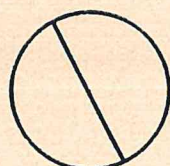
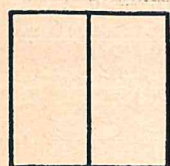
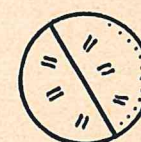
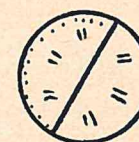
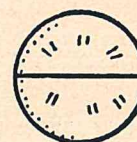
Mother made 3 small pies for Susan's birthday party.

She cut each pie into two half pies.

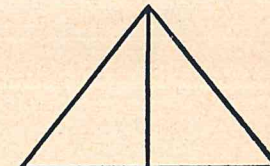
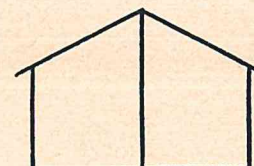
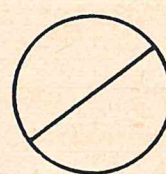
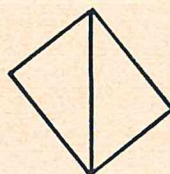
John, Bob, Susan, Mary, and David each had $\frac{1}{2}$ of a pie.

Mother had $\frac{1}{2}$ of a pie.

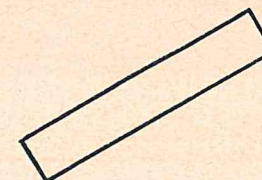
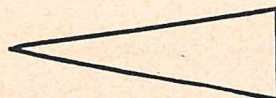
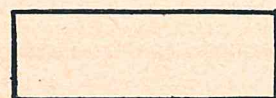
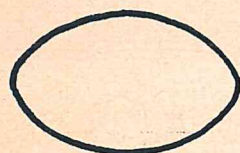
Color half of each little pie yellow. Color the other half brown.



Write $\frac{1}{2}$ on each half.



Draw a line to make each picture show each half.



Color $\frac{1}{2}$ of each picture red. Color the other half blue.

To the Teacher: Illustrate the meaning of one half using concrete objects as an apple, an orange, a piece of crayon. Draw illustrations on the blackboard. Ask the children to illustrate until you feel sure of their understanding. Help the children with the new words: half, size.

Read each story. Put the right sign before the lower number and find the answer.

1. Susan has 6 little dolls
and 1 big doll.

$$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$$

How many dolls has she
in all? ____

4. Bob has 3 cents.
David has 4 cents.

$$\begin{array}{r} 3 \\ 4 \\ \hline \end{array}$$

Together they have
____ cents.

2. The second grade boys used
1 thick board and 6 thin
boards to make the birdhouse.

$$\begin{array}{r} 1 \\ 6 \\ \hline \end{array}$$

How many boards did they use
in all? ____

5. Mary's pencil is 7 inches
long.

$$\begin{array}{r} 7 \\ 4 \\ \hline \end{array}$$

Susan's pencil is 4 inches long.
How much longer is Mary's
pencil than Susan's? ____

3. A board was 7 feet long.

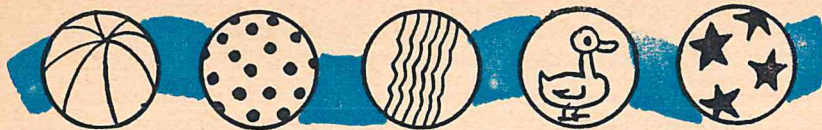
$$\begin{array}{r} 7 \\ 2 \\ \hline \end{array}$$

John cut off 2 feet of it.
How long is the board now? ____

6. Susan's big doll is 7
inches long.

$$\begin{array}{r} 7 \\ 3 \\ \hline \end{array}$$

A little doll is 3 inches
long.
How much shorter is the
little doll? ____



first second third fourth fifth

Color the first ball red.

Color the fifth ball blue.

Color the third ball green.

Color the second ball brown.

Color the fourth ball yellow.



1st 2nd 3rd 4th 5th

Color the 1st truck brown.

Color the 3rd truck red.

Color the 4th truck yellow.

Color the 2nd truck blue.

Color the 5th truck green.



David John Susan Mary Bob

Put the right word in each blank place.

John is second.

David is _____.

Bob is _____.

Mary is _____.

Susan is _____.

Write each word as a number.

first 1st third 3rd

third _____ fourth _____

second _____ second _____



fifth _____ fifth _____

fourth _____ first _____



third _____ fourth _____

second _____ fifth _____


Add:

$\begin{array}{r} 1 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	
$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 3 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 1 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 6 \end{array}$	$\begin{array}{r} 2 \\ 5 \end{array}$	

Subtract:

$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 6 \end{array}$	
$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 7 \\ 4 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 7 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	

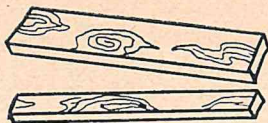
Do what the signs tell you to do.

$\begin{array}{r} 6 \\ - 1 \end{array}$	$\begin{array}{r} 6 \\ - 1 \end{array}$	$\begin{array}{r} 7 \\ - 1 \end{array}$	$\begin{array}{r} 5 \\ + 2 \end{array}$	$\begin{array}{r} 7 \\ - 3 \end{array}$	$\begin{array}{r} 3 \\ + 2 \end{array}$	$\begin{array}{r} 4 \\ + 3 \end{array}$	$\begin{array}{r} 6 \\ - 3 \end{array}$	$\begin{array}{r} 7 \\ - 4 \end{array}$	$\begin{array}{r} 3 \\ + 4 \end{array}$	$\begin{array}{r} 7 \\ - 5 \end{array}$	$\begin{array}{r} 2 \\ + 5 \end{array}$	
---	---	---	---	---	---	---	---	---	---	---	---	---

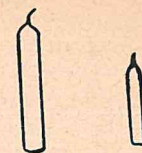
New word: review.

Do You Remember?

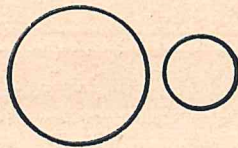
1. Color the narrow board red.
Color the wide board blue.



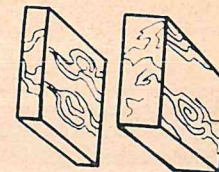
- Color the tall candle yellow.
Color the short candle green.



2. Color the large ball black.
Color the small ball brown.



- Color the thin board red.
Color the thick board yellow.



3. Color the 3rd doll red.
Color the fifth doll blue.



- Color $\frac{1}{2}$ red.
Color one half yellow.



Write the missing numbers in the boxes.

1			4			7
---	--	--	---	--	--	---

1					6	
---	--	--	--	--	---	--

$$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$$

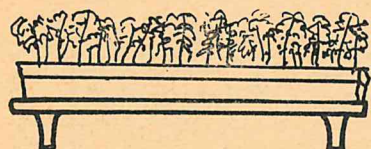
$$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$$

Unit 4. The Garden

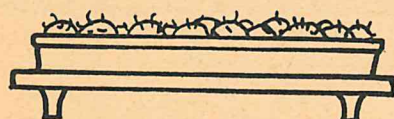
39



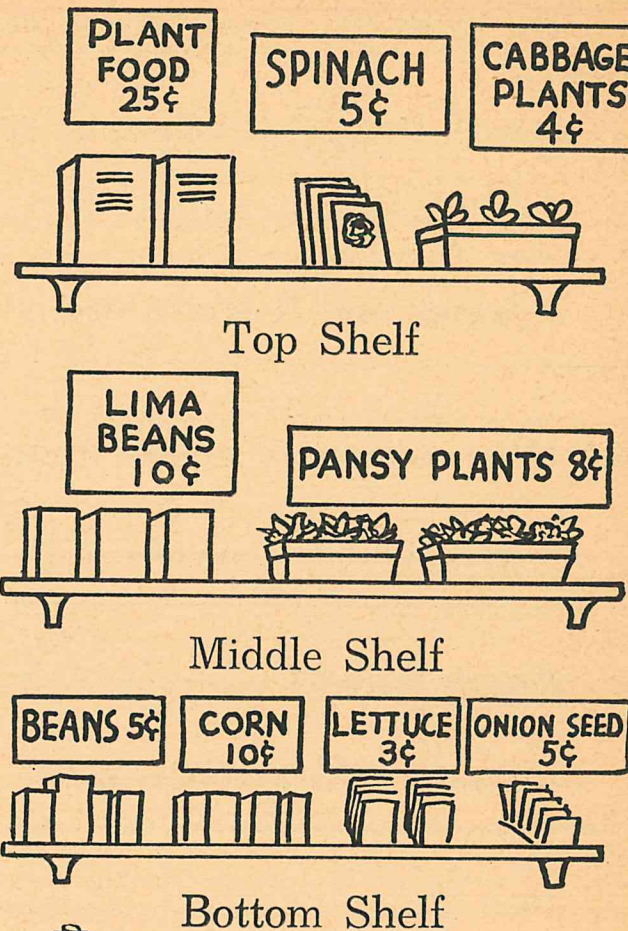
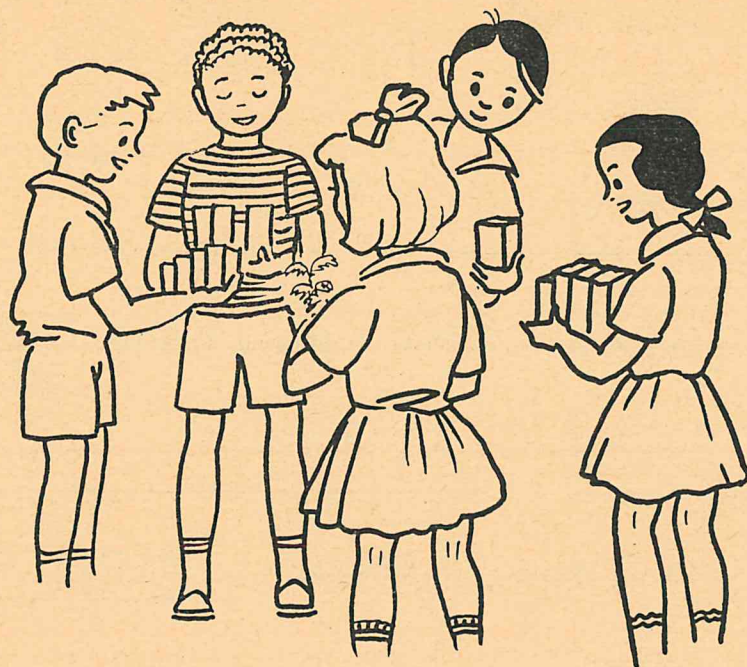
Top Shelf



Middle Shelf



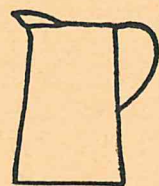
Bottom Shelf



Top Shelf

Middle Shelf

Bottom Shelf



Quart



Pint



Scales



25 cents



10 cents



5 cents



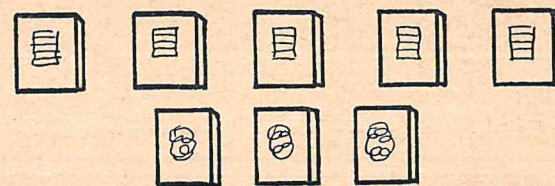
1 cent

New words: middle, scales, shelf.

The children went to the seed store.

1. David bought 5 boxes of green bean seed.

John bought 3 boxes of yellow bean seed.



5 boxes and 3 boxes are ____ boxes. $5 + 3 = \underline{\quad}$

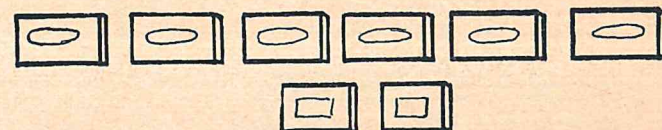
2. Mary bought 3 yellow tomato plants and 5 red tomato plants.

3 plants and 5 plants are ____ plants. $3 + 5 = \underline{\quad}$



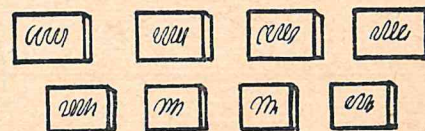
3. Susan bought 6 boxes of corn and 2 boxes of beans.

6 boxes and 2 boxes are ____ boxes. $6 + 2 = \underline{\quad}$




4. Bob bought 4 boxes of peas and 4 boxes of beans.

4 boxes and 4 boxes are ____ boxes. $4 + 4 = \underline{\quad}$



Add. If you get them all right in a row, color the star blue.

$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	

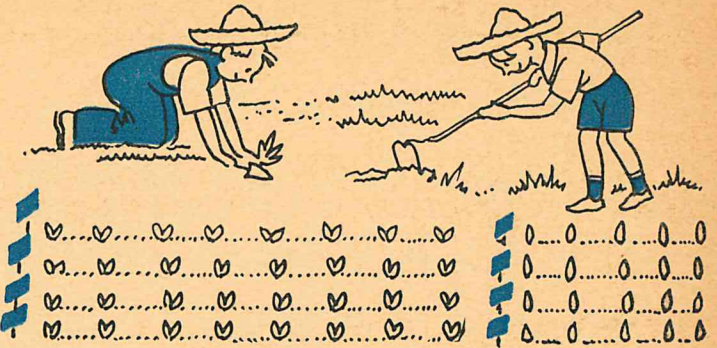
Mary, John, Bob, David, and Susan made a garden.

David planted 4 long rows of green beans.

John planted 4 short rows of yellow beans.

4 rows and 4 rows are ____ rows.

$$4 + 4 = \underline{\quad}$$



Mary planted 5 red tomato plants and 3 yellow tomato plants.

5 plants and 3 plants are ____ plants.

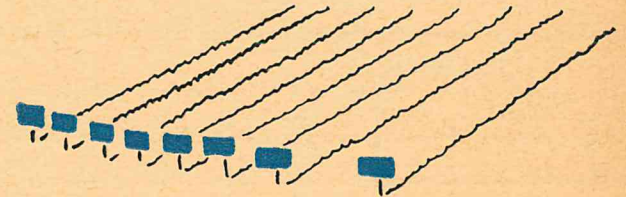
$$5 + 3 = \underline{\quad}$$



Susan planted 7 rows of corn and 1 row of beans.

7 rows and 1 row are ____ rows.

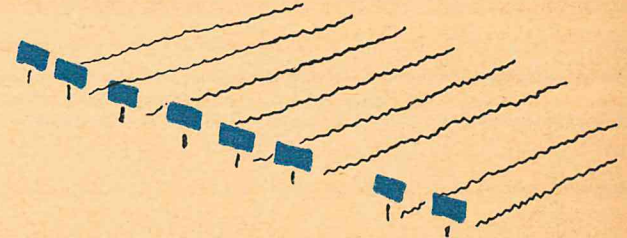
$$7 + 1 = \underline{\quad}$$



Bob planted 6 rows of peas and 2 rows of beans.

6 rows and 2 rows are ____ rows.

$$6 + 2 = \underline{\quad}$$



7	3	5	2	3	5	6	4	4	1	3	5	
+ 1	+ 4	+ 2	+ 5	+ 3	+ 3	+ 1	+ 3	+ 4	+ 6	+ 5	+ 2	



David had 8 dimes.

He gave 5 dimes for seeds.

How many dimes did he have left? ____



Mary bought 8 tomato plants.

Worms ate 2 of them.

How many did she have left? ____



3 tomatoes from 8 tomatoes are ____ tomatoes.

3 from 8 are ____ $8 - 3 =$ ____ $8 - 5 =$ ____



Subtract:

$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 5 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---	---	---	---	---

Do what the signs tell you to do.

$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$



tomato plants



cabbage plants

$7 + 1 = \underline{\quad}$

$8 - 7 = \underline{\quad}$

$1 + 7 = \underline{\quad}$

$8 - 1 = \underline{\quad}$

$5 + 3 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$3 + 5 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$6 + 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$2 + 6 = \underline{\quad}$

$8 - 2 = \underline{\quad}$

$4 + 4 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

1. John bought a big tomato plant for 5 cents and a cabbage plant for 3 cents. How much did both cost? _____

3. Mary bought 8 tomato plants and gave Susan 3 plants. How many did Mary have left? _____

2. David planted 3 cabbage plants, and Bob planted 5 cabbage plants. How many did both plant? _____

4. John planted 8 rows of cabbages and Bob planted 2 rows. How many fewer rows did Bob plant? _____

If you get these all right, color the star blue.

$$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$$

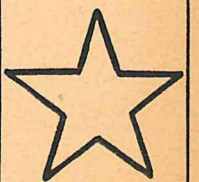
$$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$$



New words: both, cabbage.

Put the right sign before the bottom number and find the answer.

1. John has 5 tomato plants. $\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$
 David has 3 tomato plants. $\begin{array}{r} 3 \\ \hline \end{array}$
 Together they have ____ tomato plants.

2. Susan has 6 rows of corn. $\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$
 Mary has 4 rows of corn. $\begin{array}{r} 4 \\ \hline \end{array}$
 Susan has ____ more rows of corn than Mary.

3. Mary picked 7 red tomatoes. $\begin{array}{r} 7 \\ 3 \\ \hline \end{array}$
 She gave 3 away. $\begin{array}{r} 3 \\ \hline \end{array}$
 She had ____ left.

4. Bob picked 8 pounds of beans. $\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$
 He sold 4 pounds. $\begin{array}{r} 4 \\ \hline \end{array}$
 He had ____ pounds left.

5. John used 2 quarts of spray. $\begin{array}{r} 2 \\ 4 \\ \hline \end{array}$
 Bob used 4 quarts of spray. $\begin{array}{r} 4 \\ \hline \end{array}$
 Together they used ____ quarts.

6. Mary used 2 pounds of plant food. $\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$
 John used 8 pounds of plant food. $\begin{array}{r} 2 \\ \hline \end{array}$
 Mary used ____ pounds less than John.

7. David had 7 dimes. $\begin{array}{r} 7 \\ 5 \\ \hline \end{array}$
 He gave 5 dimes for seed. $\begin{array}{r} 5 \\ \hline \end{array}$
 He had ____ dimes left.

8. Susan has 4 nickels. $\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$
 Mary has 3 nickels. $\begin{array}{r} 3 \\ \hline \end{array}$
 Together they have ____ nickels.

Do what the signs tell you to do.

$3 + 3 = \underline{\quad}$	$4 - 1 = \underline{\quad}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$
$4 + 2 = \underline{\quad}$	$7 - 6 = \underline{\quad}$								
$2 + 6 = \underline{\quad}$	$8 - 4 = \underline{\quad}$								

Addition:

$1 + 7 = 8$

$2 + \underline{\quad} = 8$

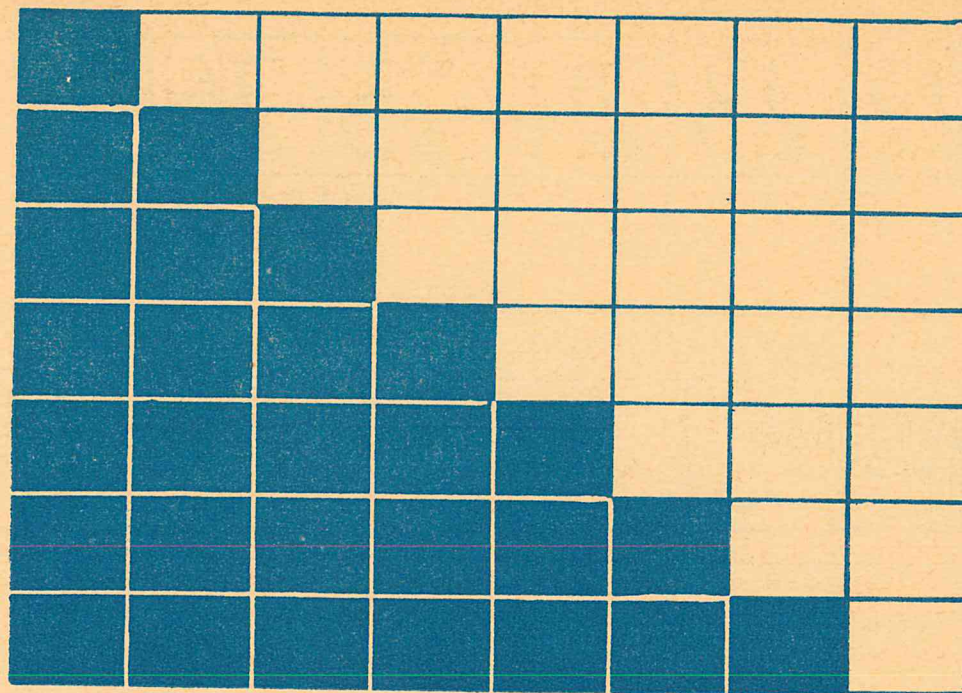
$3 + \underline{\quad} = 8$

$4 + \underline{\quad} = 8$

$5 + \underline{\quad} = 8$

$6 + \underline{\quad} = 8$

$7 + \underline{\quad} = 8$



Subtraction:

$8 - 7 = \underline{\quad}$

$8 - 6 = \underline{\quad}$

$8 - 5 = \underline{\quad}$

$8 - 4 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$8 - 2 = \underline{\quad}$

$8 - 1 = \underline{\quad}$

Write the number in each blank that tells who I am.

I am

Who am I?

3 more than 5 5 less than 8 two plus six just before 8 between 7 and 9

I am






Who am I?

5 more than 3 a nickel and 3 cents cents8 minus 4 1 less than 8 7 more than 1

Write the twenties.

20	21	22	23	24	25	26	27	28	29

Make a ring around the number that tells how many balls.

				
20 23 26 29	23 25 27 29	20 21 22 25	26 27 28 29	20 21 22 28

20 = two tens. 22 = 2 tens + ____ . 24 = 2 tens + ____ . 26 = 2 tens + ____ . 28 = 2 tens + ____ .

21 = 2 tens + 1. 23 = 2 tens + ____ . 25 = 2 tens + ____ . 27 = 2 tens + ____ . 29 = 2 tens + ____ .

Write the thirties.

30	31	32	33	34	35	36	37	38	39

30 = 3 tens.

33 = 3 tens and ____ ones.

36 = 3 tens and ____ ones.

31 = 3 tens and 1 one.

34 = 3 tens and ____ ones.

37 = 3 tens and ____ ones.

32 = 3 tens and ____ ones.

35 = 3 tens and ____ ones.







38 = 3 tens and ____ ones.

Can you count to 100? If you cannot, look at the numbers below.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

To the Teacher: This page may be used in a study of our number system such as: counting by tens, the meaning of 46, as 4 tens and 6 ones, etc. New word: counting.

If you get all the answers right in a row, color the star in the last box blue.
Do what the signs ask you to do.

1	$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	
2	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$	
3	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	
4	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	
5	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	
6	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	

To the Teacher: You may have the children do only a part of the exercises at one time. All children do not work at the same rate. Some children fatigue more easily than others.

Write the number after each word.

two four seven six five eight one

Add:

$\begin{array}{r} 6 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 2 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

Subtract:

$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

Work:

$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

Write 7 in each box.

7									
---	--	--	--	--	--	--	--	--	--

Write 8 in each box.

8									
---	--	--	--	--	--	--	--	--	--

To the Teacher: Check to make certain that all the children recognize the number words along with figures.

Write the numbers from 1 to 8.

--	--	--	--	--	--	--	--	--	--

Add:

$\begin{array}{r} 7 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 4 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

Subtract:

$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$
---	---	---	---	---	---	---	---	---	---

Fill the blanks:

1 nickel equals ____ cents.

1 dime equals ____ cents.

1 quart equals ____ pints.

8 is ____ more than 7.

8 is ____ more than 4.

8 comes just after ____ .

5 cents equal ____ nickel.

2 pints equal ____ quart.

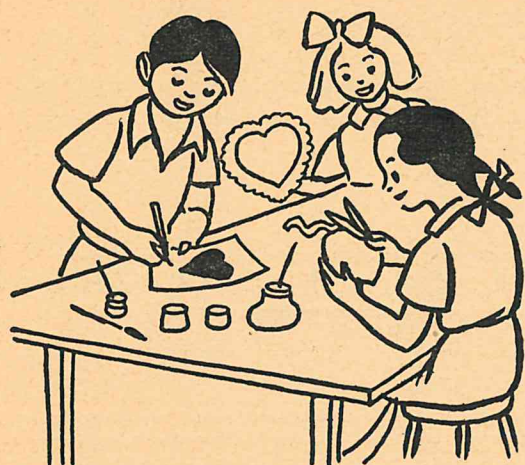
10 cents equal ____ dime.

7 is ____ less than 8.

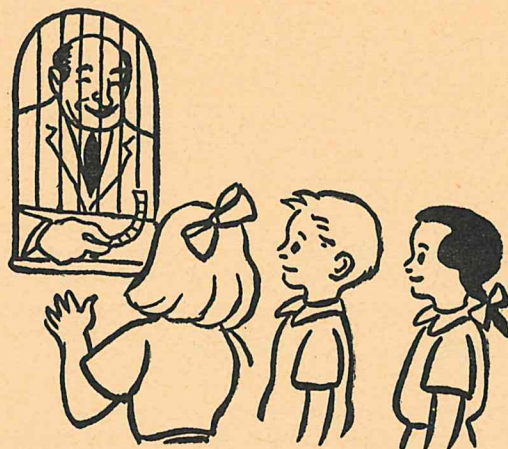
6 is ____ less than 8.

7 comes just before ____ .

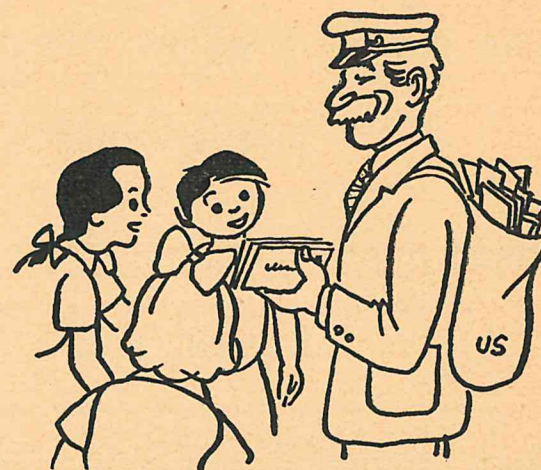
Unit 5. A Visit to the Post Office



Making Valentines



Post Office



Postman

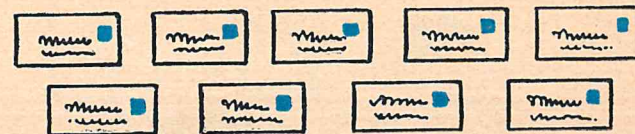


Mailing Valentines

John, Bob, Susan, David, and Mary went to the post office.

John mailed 5 letters. David mailed 4 letters.

5 letters and 4 letters are ____ letters.



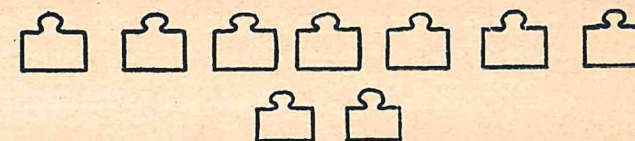
Susan mailed 6 cards. Bob mailed 3 cards.

6 cards and 3 cards are ____ cards.



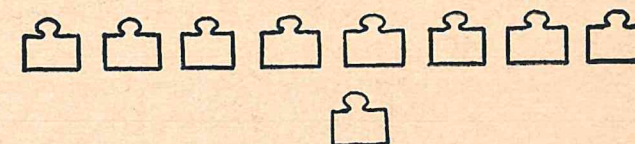
Mary mailed 2 packages. One package weighed 7 pounds, and the other weighed 2 pounds.

7 pounds and 2 pounds are ____ pounds.



Bob mailed an 8-pound package and a 1-pound package.

8 pounds and 1 pound are ____ pounds.



$$1 + 8 = \underline{\quad}$$



$$2 + 7 = \underline{\quad}$$



$$3 + 6 = \underline{\quad}$$



$$4 + 5 = \underline{\quad}$$



$$5 + \underline{\quad} = 9$$



$$6 + \underline{\quad} = 9$$



$$7 + \underline{\quad} = 9$$



$$8 + \underline{\quad} = 9$$



Mary bought 3 stamps.

Bob bought 6 stamps.

3 stamps and 6 stamps are ____ stamps.



Susan bought 5 stamps.

David bought 4 stamps.

5 stamps and 4 stamps are ____ stamps.



Bob bought 7 stamps.

John bought 2 stamps.

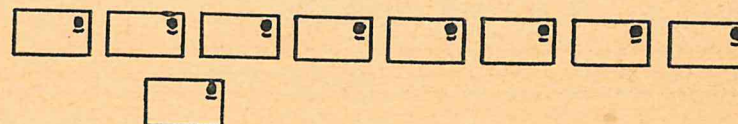
7 stamps and 2 stamps are ____ stamps.



Susan bought 8 post cards.

Mary bought 1 post card.

8 cards and 1 card are ____ cards.



Write the number that should be in each blank place.

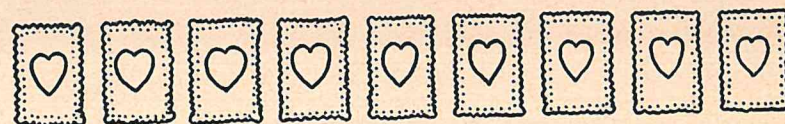
$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + \\ \hline 9 \end{array}$	$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} \\ + 8 \\ \hline 9 \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + \\ \hline 9 \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + \\ \hline 9 \end{array}$
---	---	---	---	---	---	---	---	---	---	---	---



Susan made 9 valentines.
She sent 6 valentines to her friends.

How many did she have left? ____

9 valentines take away 6 valentines are ____ valentines.



David made 9 small red hearts.
He sent 4 red hearts to his grandmother.

How many did he have left? ____

9 red hearts take away 4 red hearts are ____ red hearts.




John made 9 tiny valentines.
He sent 7 to his friends.

How many did he have left? ____


9 valentines take away 7 valentines are ____ valentines.



If you get these all right, color the star blue.

$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$	
---	---	---	---	---	---	---	---	---	---	---	---	---

Write 9 in each box.

				
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Addition

Subtraction

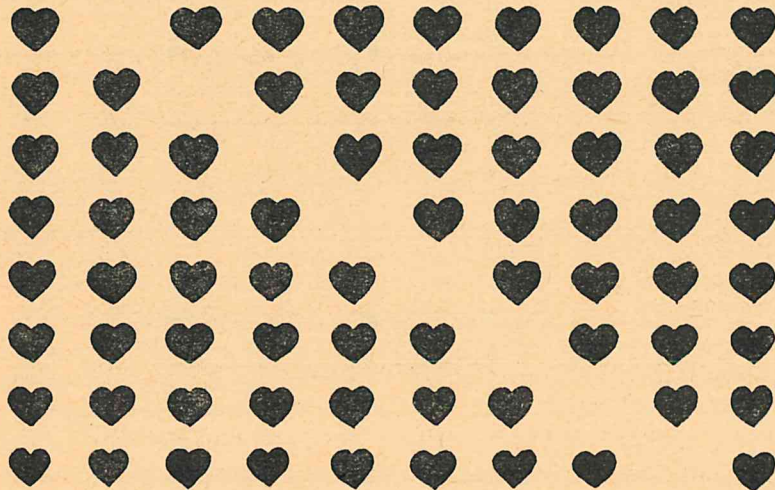
$1 + 8 = 9$

$9 - 1 = \underline{\quad}$

$2 + 7 = \underline{\quad}$

$9 - 2 = \underline{\quad}$

Look at the pictures and write the stories.
The first two are done for you.



Susan made 4 valentines.
Mary made 5 valentines.

$$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$$

Together they made _____ valentines.

David bought 9 stamps.
He used 3 stamps.

$$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$$

He had _____ stamps left.

$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$
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The Postman Brings the Mail



The postman brought 1 letter to John.

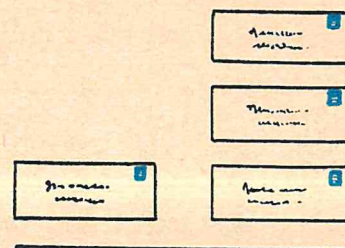
He brought 1 letter to Mary.

He brought 2 letters to Bob.

1 letter and 1 letter and 2 letters are ____ letters.

$$1 + 1 + 2 = \underline{\quad}$$

$$2 + 1 + 1 = \underline{\quad}$$



$$\begin{array}{r} 1 \\ 1 \\ + 2 \\ \hline \end{array}$$

The postman brought 2 cards to Susan.

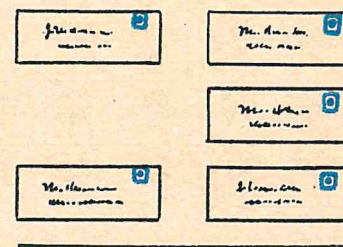
He brought 1 card to Mary.

He brought 2 cards to David.

2 cards and 1 card and 2 cards are ____ cards.

$$2 + 1 + 2 = \underline{\quad}$$

$$1 + 2 + 2 = \underline{\quad}$$



$$\begin{array}{r} 2 \\ 1 \\ + 2 \\ \hline \end{array}$$

●	1
●	1
+	+
●	1
<hr/>	

●	1
●	2
+	+
●	1
<hr/>	

● ●	2
●	1
+	+
● ●	2
<hr/>	

● ●	2
● ●	2
+	+
● ●	2
<hr/>	

● ●	2
●	1
+	+
●	1
<hr/>	

● ●	2
● ●	3
+	+
●	1
<hr/>	

● ● ●	3
●	1
+	+
●	1
<hr/>	



= ____ stamps.

$$2 + 1 + 2 = \underline{\quad}$$

Think $2 + 1 = 3$

and $3 + 2 = 5$

$$\begin{array}{r} 2 \\ 1 \\ + 2 \\ \hline \end{array}$$



= ____ hearts.

$$1 + 2 + 3 = \underline{\quad}$$

Think $1 + 2 = 3$

and $3 + 3 = 6$

$$\begin{array}{r} 1 \\ 2 \\ + 3 \\ \hline \end{array}$$

Make pictures in the boxes to tell each story.

$1 + 1 + 3$



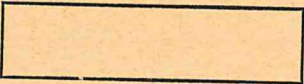
$1 + 1 + 3 =$

$2 + 2 + 1$



$2 + 2 + 1 =$

$1 + 4 + 2$



$1 + 4 + 2 =$

$2 + 3 + 1$



$2 + 3 + 1 =$

$1 + 1 + 4$



$1 + 1 + 4 =$

$1 + 5 + 2$



$1 + 5 + 2 =$

Add. Color the star blue if you get this row all right.

$$\begin{array}{r} 2 \\ 3 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 3 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 2 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 6 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 5 \\ + 1 \\ \hline \end{array}$$


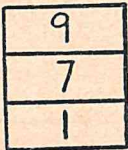
$$\begin{array}{r} 1 \\ 1 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 1 \\ + 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 3 \\ + 3 \\ \hline \end{array}$$



Who am I? Write the answers in each blank.

<p>I am 3 more than 4.</p> <p>Who am I? ____</p>	<p>$3 + 1 + 1$ make me.</p> <p>Who am I? ____</p>	<p>I am more than 6.</p> <p>I am less than 8.</p> <p>Who am I? ____</p>
<p>$9 - 4$ make me.</p> <p>Who am I? ____</p>	<p>I am the number of inches in a foot.</p> <p>Who am I? ____</p>	<p>I am $3 + 2 + 1$.</p> <p>Who am I? ____</p>
<p>I am as old as you are.</p> <p>How old am I? ____</p>	<p>I come just before 9.</p> <p>Who am I? ____</p>	<p>I am 3 less than 9.</p> <p>Who am I? ____</p>
<p>A pie is cut in 2 equal parts.</p> <p>I am 1 part.</p> <p>Who am I? ____</p> 	<p>I am the number of cents that will buy two stamps for 3 cents each.</p> <p>Who am I? ____</p>	<p>I am 4 more than 3.</p> <p>Who am I? ____</p>
<p>2 4 6 8</p> <p>I am the third number.</p> <p>Who am I? ____</p>	<p>3 and 1 and 3 make me.</p> <p>Who am I? ____</p>	<p>I am $2 + 3 + 4$.</p> <p>Who am I? ____</p>
<p>I am on the middle shelf.</p> <p>Who am I? ____</p> 	<p>I am the number of pints in a quart.</p> <p>Who am I? ____</p>	<p>I am the number of cents in a nickel.</p> <p>Who am I? ____</p>

Read each story. Think the answer and write it in the blank space.

1.

David had a nickel. He spent 3 cents.
How much did he have left?

_____ cents.

2.

Mary bought 4 stamps and 2 stamps.
How many stamps did she buy?

3.

Bob bought 9 post cards and used 5 of
them. How many did he have left?

4.

Mary received three birthday packages.
The first one weighed 2 pounds. The
second one weighed 1 pound. The third
one weighed 1 pound. How many
pounds did they weigh all together?

5.

Susan made 9 valentines.
She sent 7 of them away.
How many did she have left?

6.

John said, "In 2 years I shall be 9 years
old. How old am I now?"

7.

Susan wanted to buy a valentine for 9
cents. She had 5 cents. How many
more cents did she need?

8.

Bob had 4 nickels. His father gave him 3
nickels.

How many nickels did he then have? _____

Color the star blue if all your
answers are right.



Read the numbers with blue lines under them, 2, 4, 6, 8, 10, 12, 14, etc.

You are counting by twos.

Write by twos to 20.

2	4			

Write the blue numbers to 50. You are counting by fives.

5	10	15		

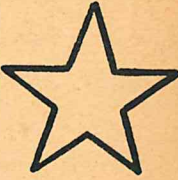


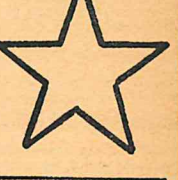
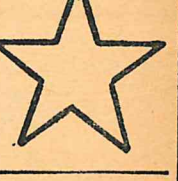

1	<u>2</u>	3	<u>4</u>	<u>5</u>	<u>6</u>	7	<u>8</u>	9	<u>10</u>
11	<u>12</u>	13	<u>14</u>	<u>15</u>	<u>16</u>	17	<u>18</u>	19	<u>20</u>
21	<u>22</u>	23	<u>24</u>	<u>25</u>	<u>26</u>	27	<u>28</u>	29	<u>30</u>
31	<u>32</u>	33	<u>34</u>	<u>35</u>	<u>36</u>	37	<u>38</u>	39	<u>40</u>
41	<u>42</u>	43	<u>44</u>	<u>45</u>	<u>46</u>	47	<u>48</u>	49	<u>50</u>
51	<u>52</u>	53	<u>54</u>	<u>55</u>	<u>56</u>	57	<u>58</u>	59	<u>60</u>
61	<u>62</u>	63	<u>64</u>	<u>65</u>	<u>66</u>	67	<u>68</u>	69	<u>70</u>
71	<u>72</u>	73	<u>74</u>	<u>75</u>	<u>76</u>	77	<u>78</u>	79	<u>80</u>
81	<u>82</u>	83	<u>84</u>	<u>85</u>	<u>86</u>	87	<u>88</u>	89	<u>90</u>
91	<u>92</u>	93	<u>94</u>	<u>95</u>	<u>96</u>	97	<u>98</u>	99	<u>100</u>

Write the numbers in the last column. You are counting by tens.

10	20								
----	----	--	--	--	--	--	--	--	--

If you get all answers right in a row, color the star blue.

Do what the signs ask you to do.

1	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	
2	$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	
3	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	
4	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	
5	$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	
6	$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	

Write a 9 in each box.



9

6 stamps + 3 stamps are ____ stamps.

7 pounds + 2 pounds are ____ pounds.

4 cards + 5 cards are ____ cards.

8 hearts + 1 heart are ____ hearts.

9 stamps - 6 stamps are ____ stamps.

9 pounds - 7 pounds are ____ pounds.

9 cards - 4 cards are ____ cards.

9 hearts - 8 hearts are ____ hearts.

Add:

$$\begin{array}{r} 6 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$$

Subtract:

$$\begin{array}{r} 9 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 4 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 6 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 2 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ 7 \\ \hline \end{array}$$

Add:

$$\begin{array}{r} 3 \\ 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ 5 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 7 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 4 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ 1 \\ 6 \\ \hline \end{array}$$

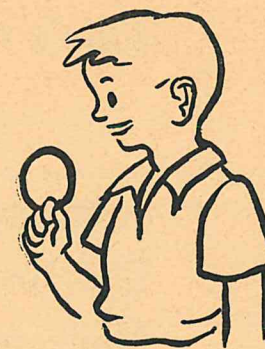
$$\begin{array}{r} 5 \\ 1 \\ 1 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ 2 \\ 2 \\ \hline \end{array}$$

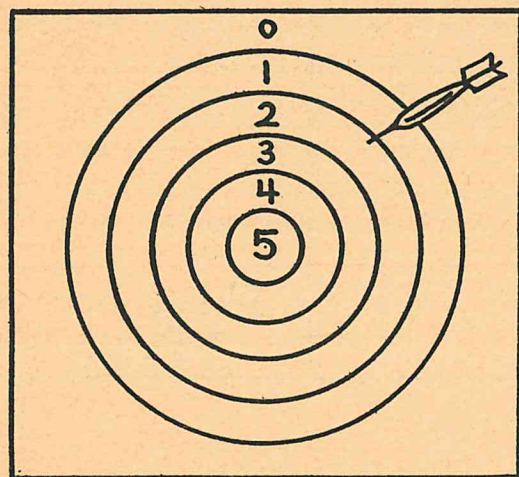
$$\begin{array}{r} 1 \\ 2 \\ 4 \\ \hline \end{array}$$

Unit 6. Fun with Numbers

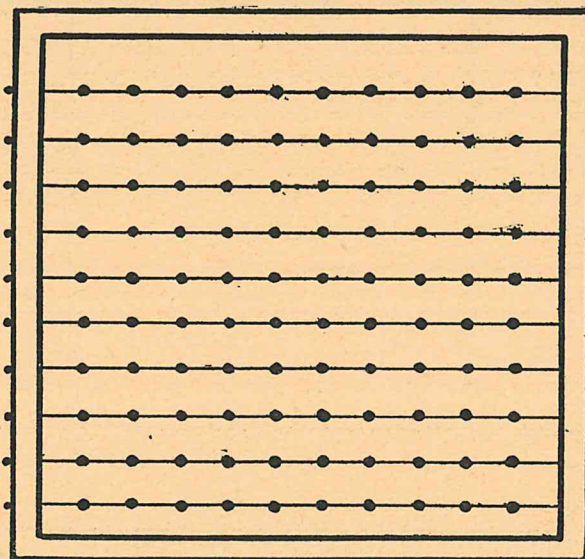
63



Penguin Game



Dart Game



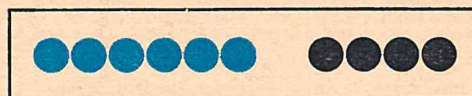
Counting Game

1	2	3	4
0	1	2	0
5	3	4	5
1	2	3	1

Ring Game

John's father bought him a new number game.

One card was like this.



John said, "This card tells 4 number stories about 10.

The first story is $6 + 4 = 10$. Who can tell another story?"

Mary was first. Her story was $4 + 6 = 10$.

David was second. His story was $10 - 4 = 6$.

Susan was third. Her story was $10 - 6 = 4$.

Look at each picture and write the number stories under it.

$1 + 9 = \underline{\quad}$ $9 + 1 = \underline{\quad}$ $10 - 1 = \underline{\quad}$ $10 - 9 = \underline{\quad}$				<p>There are only 2 stories here.</p>

Adding and subtracting.

$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 10 \\ - 6 \\ \hline \end{array}$
---	--	---	--	--	---	--	---	--	---	--	--



David said, "I will tell you how to play the penguin game."

David stood 9 penguins in a row. 1, 2, 3, 4, 5, 6, 7, 8, 9.

David had a soft ball.

David said, "Each may throw the ball until he hits 2 penguins.

To win, the sum of the numbers of the penguins you hit must be 10."

Mary hit penguin 9 first. She thought $9 + 1 = 10$.

Mary hit penguin 1 next. Did Mary win?

They played three games. Add:

	Mary	John	Susan	Bob	David
First Game	9	7	2	6	2
	1	3	7	2	8
Second Game	8	6	8	1	3
	1	4	2	9	6
Third Game	4	4	3	4	5
	6	5	7	3	3

How many games did Mary win? ____

How many games did John win? ____

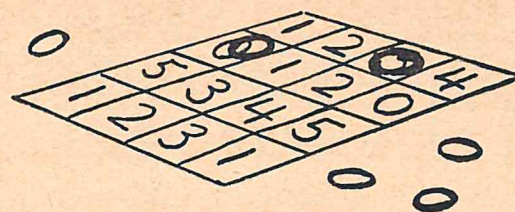
How many games did Susan win? ____

How many games did Bob win? ____

How many games did David win? ____

To the Teacher: Explain and illustrate the meaning of sum. Check to make sure the children understand the rules of the game before they play it.
New words: sum, throw.

Tossing the Ring



Susan and her friends played Tossing the Ring.
 David made the board with numbers on it.
 Each had two throws. The number the ring was on counted.
 Do you see a new number? This number is called zero (0).
 Zero means nothing. It adds nothing to the score.
 If the ring fell outside the plan it did not count.
 Bob's rings fell on 3 and 0. His score was $3 + 0 = 3$.
 They played four games.

Add:

	Mary	David	John	Bob	Susan		Mary	David	John	Bob	Susan
1st Game	$\begin{array}{r} 3 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ \hline \end{array}$	3rd Game	$\begin{array}{r} 5 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 2 \\ \hline \end{array}$
2nd Game	$\begin{array}{r} 4 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 0 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 0 \\ \hline \end{array}$	4th Game	$\begin{array}{r} 0 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ 3 \\ \hline \end{array}$

Who won the 1st game? _____

Who won the 3rd game? _____

Who won the 2nd game? _____

Who won the 4th game? _____

To the Teacher: Make clear the meaning of zero as a number. New words: outside, tossing, won, zero.

The dart game looks like this.
The children played the dart game.

Bob threw three darts.

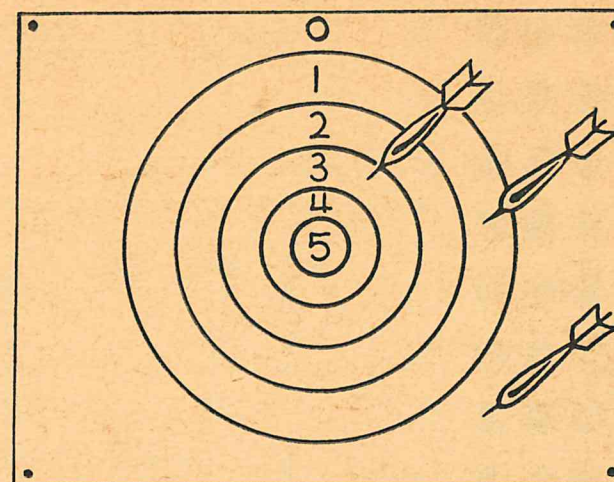
His numbers were 3, 1, 0.

Add from the top

$$3 + 1 = 4 \text{ and } 4 + 0 = 4.$$

They played two games.

$$\begin{array}{r} 3 \\ 1 \\ 0 \\ \hline 4 \end{array}$$



Add the scores and tell who won each game.

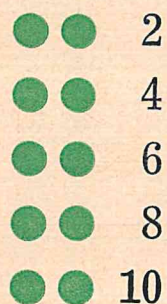
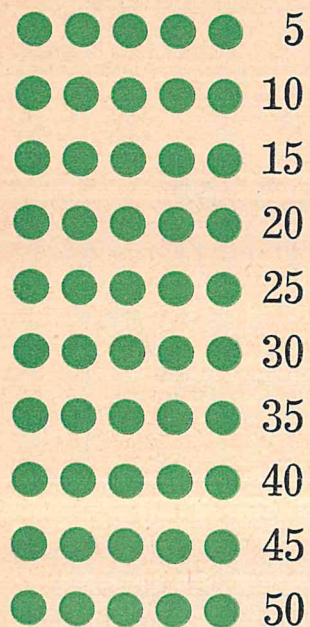
First Game					Second Game				
Mary	Susan	David	John	Bob	Mary	Susan	David	John	Bob
4	2	5	0	2	4	0	0	2	0
5	0	4	3	3	0	3	5	5	0
1	3	0	2	4	4	1	0	3	0
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

Who won the first game? _____

Who won the second game? _____

Add:

1	3	4	5	1	0	2	5	1	4
3	3	3	0	2	0	4	4	4	3
5	4	3	5	6	4	2	1	3	0
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>



Write the missing numbers.

1	2	3		5		7			10
11				15					20
21				25					30
31				35					40
41				45					50
51				55					60
61				65					70
71				75					80
81				85					90
91				95					100

Write to 50 by fives.

5	10								
---	----	--	--	--	--	--	--	--	--

Write to 100 by tens.

10	20								
----	----	--	--	--	--	--	--	--	--

John, David, Mary, Susan, and Bob could all count to 100 by ones:

1, 2, 3, 4, 5, 6, 7, 8, and so on.

They wanted to learn to count fast.

Susan's father gave her a counting game.

It looked like this:

The beads were on wires.

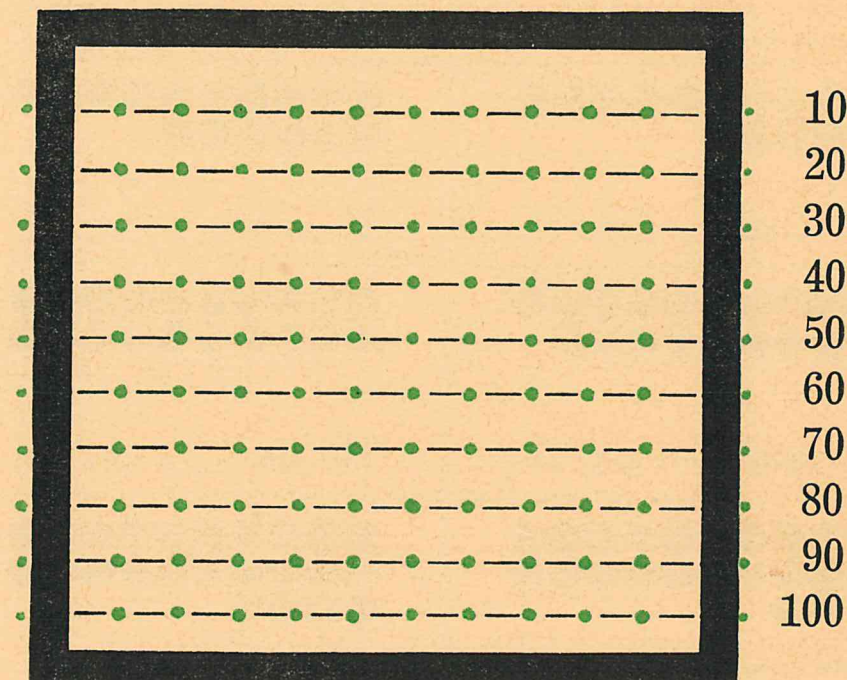
How many beads are on the top wire? ____

How many beads are on two wires? ____

How many beads are on three wires? ____

How many beads are there in all? ____

Count the beads by tens.



Fill the blanks:

20 means 2 tens.

50 means ____ tens.

80 means ____ tens.

30 means ____ tens.

60 means ____ tens.

















90 means ____ tens.

40 means ____ tens.

70 means ____ tens.

100 means ____ tens.

The dots will help you to fill the blanks.

 10 and ____ are 11.	 10 and ____ are 12.	 10 and ____ are 13.	 10 and ____ are 14.
 10 and ____ are 15.	 10 and ____ are 16.	 10 and ____ are 17.	 10 and ____ are 18.
 10 and ____ are 19.	 10 and ____ are 20.	 20 and ____ are 21.	 20 and ____ are 22.
 20 and 3 are _____.	 20 and 4 are _____.	 20 and 5 are _____.	 20 and 6 are _____.

Fill the blanks:

$10 + 10 = \underline{\quad}$

$50 + 10 = \underline{\quad}$

$90 + 10 = \underline{\quad}$

$10 + 4 = \underline{\quad}$

$20 + 10 = \underline{\quad}$

$60 + 10 = \underline{\quad}$

$10 + 1 = \underline{\quad}$

$10 + 5 = \underline{\quad}$

$30 + 10 = \underline{\quad}$

$70 + 10 = \underline{\quad}$

$10 + 2 = \underline{\quad}$

$10 + 6 = \underline{\quad}$

$40 + 10 = \underline{\quad}$

$80 + 10 = \underline{\quad}$

$10 + 3 = \underline{\quad}$

$10 + 7 = \underline{\quad}$

Read each story. It is fun to think the answer. Then write it in the blank space.

1. Mary bought a sandwich for 6 cents and a bottle of milk for 4 cents.

How much did her lunch cost?

_____ cents.

4. Susan wanted a doll that cost 10 cents. She had 8 cents.

How much more did she need?

_____ cents.

2. David had a dime. He bought a bottle of milk for 4 cents.

How much money did he have left?

_____ cents.

5. Bob had 10 rabbits. He gave 2 rabbits to Mary.

How many rabbits did he have left?

3. In a game John made scores of 6, 0, and 4. Add his scores.

6. David had 7 books. His father gave him 3 more.

How many did he then have?

Color the star blue if your answers are all right.



Bread	2¢	Ice cream	5¢	Orange	6¢	Sandwich	4¢
Butter	1¢	Cake	3¢	Apple	4¢	Potatoes	3¢
Milk	4¢	Jelly	1¢	Cocoa	5¢	Meat	6¢

How much will each lunch cost?

1. Bread _____ 2¢
 Butter _____ 1¢
 Milk _____ 4¢

 Cost _____ 7¢

4. Bread _____ ¢
 Milk _____ ¢
 Apple _____ ¢

 Cost _____ ¢

7. Bread _____ ¢
 Jelly _____ ¢
 Potatoes _____ ¢

 Cost _____ ¢

10. Sandwich _____ ¢
 Potatoes _____ ¢
 Cake _____ ¢

 Cost _____ ¢

2. Bread _____ ¢
 Ice cream _____ ¢
 Cake _____ ¢

 Cost _____ ¢

5. Meat _____ ¢
 Bread _____ ¢
 Butter _____ ¢

 Cost _____ ¢

8. Sandwich _____ ¢
 Cake _____ ¢
 Jelly _____ ¢

 Cost _____ ¢

11. Potatoes _____ ¢
 Butter _____ ¢
 Meat _____ ¢

 Cost _____ ¢

3. Sandwich _____ ¢
 Orange _____ ¢

 Cost _____ ¢

6. Sandwich _____ ¢
 Cocoa _____ ¢

 Cost _____ ¢

9. Sandwich _____ ¢
 Meat _____ ¢

 Cost _____ ¢



12. Sandwich _____ ¢
 Milk _____ ¢

 Cost _____ ¢

Remember. If 0 (nothing) is added to a number, the number is not changed.



0 added to 0 always equals 0.

Write the sums. If you get all of the answers right in a row, color the star blue.

1	$\begin{array}{r} 0 \\ 0 \end{array}$	$\begin{array}{r} 1 \\ 0 \end{array}$	$\begin{array}{r} 1 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 0 \end{array}$	$\begin{array}{r} 2 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 3 \\ 0 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 0 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	
2	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 4 \end{array}$	$\begin{array}{r} 3 \\ 4 \end{array}$	$\begin{array}{r} 0 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 0 \end{array}$	$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 1 \\ 6 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 5 \end{array}$	$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 2 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	

The answer in subtraction is called the remainder.

Write the remainders.

3	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 4 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 7 \\ 6 \end{array}$	$\begin{array}{r} 7 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 1 \end{array}$	
4	$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 8 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	

Add:



$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 8 \end{array}$	$\begin{array}{r} 2 \\ 8 \end{array}$	$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 7 \end{array}$	$\begin{array}{r} 3 \\ 6 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 9 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 6 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------

Add the scores.

$\begin{array}{r} 2 \\ 0 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 1 \\ 0 \end{array}$	$\begin{array}{r} 3 \\ 2 \\ 3 \end{array}$	$\begin{array}{r} 0 \\ 0 \\ 9 \end{array}$	$\begin{array}{r} 2 \\ 4 \\ 0 \end{array}$	$\begin{array}{r} 3 \\ 1 \\ 4 \end{array}$	$\begin{array}{r} 8 \\ 1 \\ 1 \end{array}$	$\begin{array}{r} 9 \\ 0 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 3 \\ 0 \end{array}$	$\begin{array}{r} 5 \\ 1 \\ 0 \end{array}$	$\begin{array}{r} 1 \\ 4 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 0 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 1 \\ 5 \end{array}$	$\begin{array}{r} 0 \\ 0 \\ 0 \end{array}$	$\begin{array}{r} 2 \\ 3 \\ 4 \end{array}$
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Subtract:



$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 10 \\ 1 \end{array}$	$\begin{array}{r} 10 \\ 6 \end{array}$	$\begin{array}{r} 9 \\ 5 \end{array}$	$\begin{array}{r} 10 \\ 7 \end{array}$	$\begin{array}{r} 10 \\ 4 \end{array}$	$\begin{array}{r} 9 \\ 2 \end{array}$	$\begin{array}{r} 10 \\ 8 \end{array}$	$\begin{array}{r} 10 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 3 \end{array}$	$\begin{array}{r} 10 \\ 2 \end{array}$	$\begin{array}{r} 10 \\ 9 \end{array}$	$\begin{array}{r} 9 \\ 4 \end{array}$	$\begin{array}{r} 10 \\ 5 \end{array}$	$\begin{array}{r} 9 \\ 6 \end{array}$
---------------------------------------	--	--	---------------------------------------	--	--	---------------------------------------	--	--	---------------------------------------	--	--	---------------------------------------	--	---------------------------------------

Count the dots by 2's.

●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●	●●
2	4					14				22				30

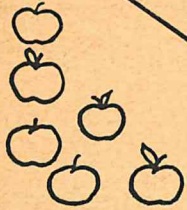
Write by 5's to 25.

Write by 10's to 100.

5	10				10	20								
---	----	--	--	--	----	----	--	--	--	--	--	--	--	--

Unit 7. Measuring Things

75

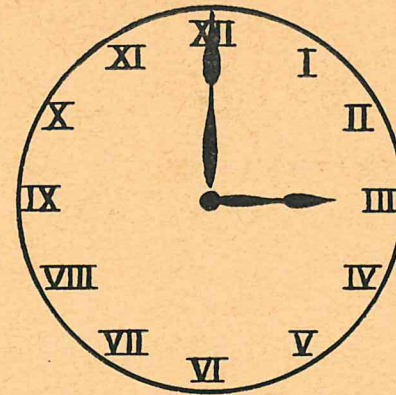


Half dozen apples
How many apples?

Calendar

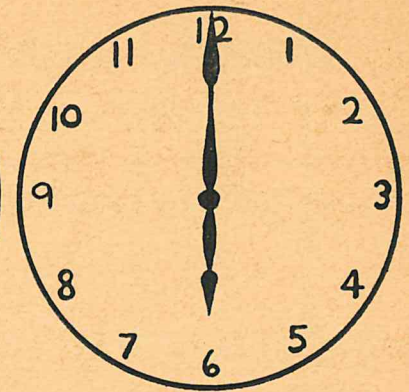
MONTH _____		YEAR _____				
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY

Make a calendar for this month.



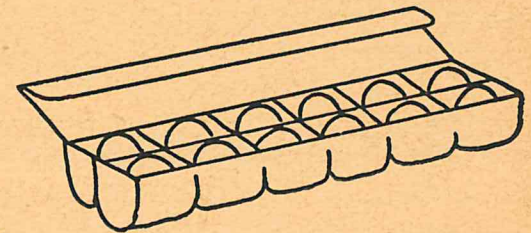
What time is it?

_____ o'clock



What time is it?

_____ o'clock



How many eggs?



Dime



Nickel



Penny

Write the numbers.

1	2	3	4	5	6	7	8	9	10	11	12

The Romans wrote the numbers from 1 to 12 like this. Write the Roman numbers.

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII

When I is after V or X we add it to 5 or 10.

V is 5. VI is $5 + 1$ or ____ VII is $5 + 2$ or ____ VIII is $5 + 3$ or ____






X is 10. XI is $10 + 1$ or ____ XII is $10 + 2$ or ____

When I is just before V or X we subtract it from 5 or 10.







V is 5. IV is $5 - 1$ or ____ X is 10. IX is $10 - 1$ or ____

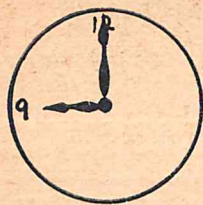
Number Stories About 11

77

				
$10 + 1 = \underline{\quad}$	$9 + 2 = \underline{\quad}$	$8 + 3 = \underline{\quad}$	$7 + 4 = \underline{\quad}$	$6 + 5 = \underline{\quad}$
$1 + 10 = \underline{\quad}$	$2 + 9 = \underline{\quad}$	$3 + 8 = \underline{\quad}$	$4 + 7 = \underline{\quad}$	$5 + 6 = \underline{\quad}$
$11 - 10 = \underline{\quad}$	$11 - 9 = \underline{\quad}$	$11 - 8 = \underline{\quad}$	$11 - 7 = \underline{\quad}$	$11 - 6 = \underline{\quad}$
$11 - 1 = \underline{\quad}$	$11 - 2 = \underline{\quad}$	$11 - 3 = \underline{\quad}$	$11 - 4 = \underline{\quad}$	$11 - 5 = \underline{\quad}$

Number Stories About 12

	$11 + 1 = \underline{\quad}$	$1 + 11 = \underline{\quad}$	$12 - 11 = \underline{\quad}$	$12 - 1 = \underline{\quad}$
	$10 + 2 = \underline{\quad}$	$2 + 10 = \underline{\quad}$	$12 - 10 = \underline{\quad}$	$12 - 2 = \underline{\quad}$
	$9 + 3 = \underline{\quad}$	$3 + 9 = \underline{\quad}$	$12 - 9 = \underline{\quad}$	$12 - 3 = \underline{\quad}$
	$8 + 4 = \underline{\quad}$	$4 + 8 = \underline{\quad}$	$12 - 8 = \underline{\quad}$	$12 - 4 = \underline{\quad}$
	$7 + 5 = \underline{\quad}$	$5 + 7 = \underline{\quad}$	$12 - 7 = \underline{\quad}$	$12 - 5 = \underline{\quad}$
	$6 + 6 = \underline{\quad}$	$6 + 6 = \underline{\quad}$	$12 - 6 = \underline{\quad}$	$12 - 6 = \underline{\quad}$



Look at the clock.

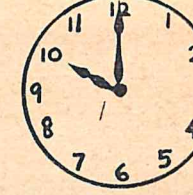
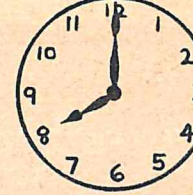
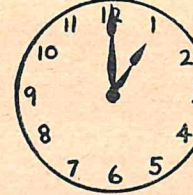
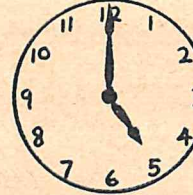
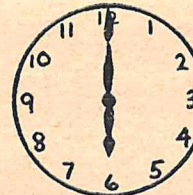
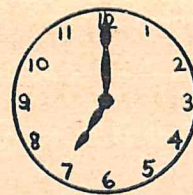
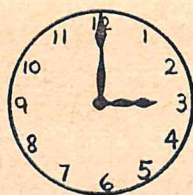
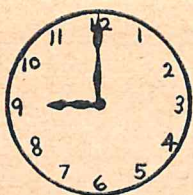
The long hand points to 12.

The short hand points to 9.

It is time for school to begin. It is 9 o'clock.

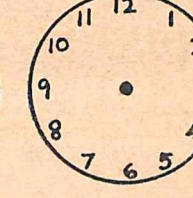
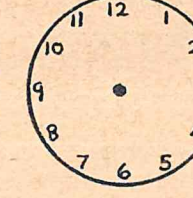
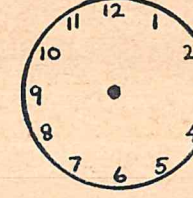
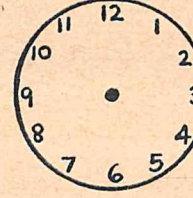
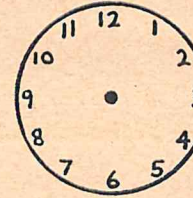
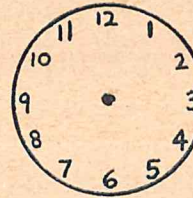
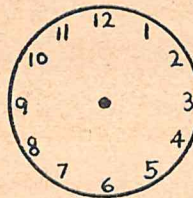
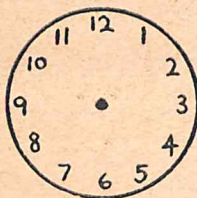
When the long hand points to 12, the short hand tells what time it is.

Below each clock write the time it shows.



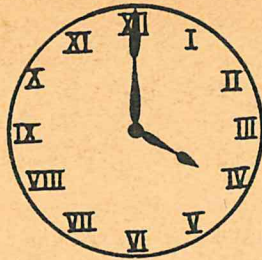
___ o'clock ___ o'clock ___ o'clock ___ o'clock ___ o'clock ___ o'clock ___ o'clock ___ o'clock

Put a long hand and a short hand on each clock to make it show the time given below it.



10 o'clock 2 o'clock Noon 7 o'clock 11 o'clock 6 o'clock 4 o'clock 1 o'clock

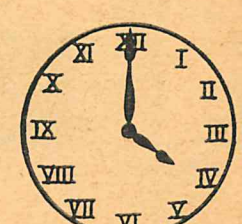
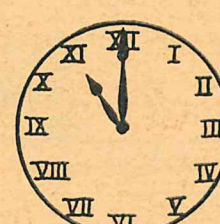
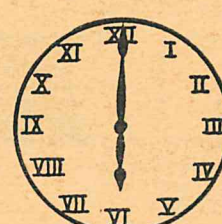
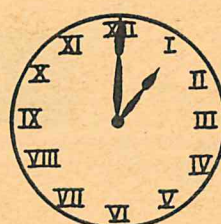
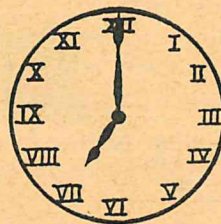
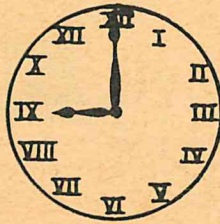
Write our number after each Roman number.



This clock has Roman numbers.

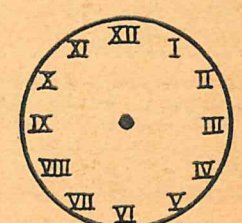
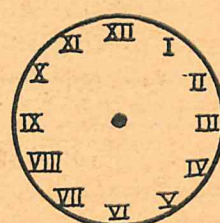
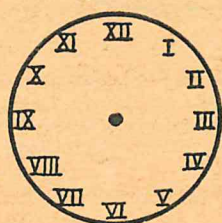
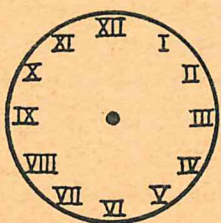
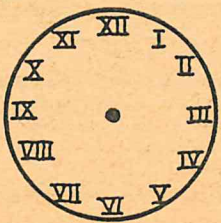
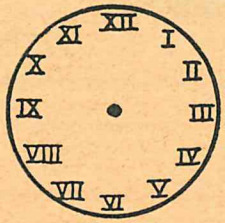
What time does it show? ____ o'clock

Below each clock write the time it shows.



____ o'clock ____ o'clock ____ o'clock ____ o'clock ____ o'clock ____ o'clock

Put a long hand and a short hand on each clock to make it show the time given it.



11 o'clock 1 o'clock 4 o'clock 6 o'clock 10 o'clock 3 o'clock

Write the Roman number below each number.

6

2

8

12

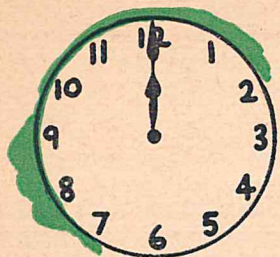
9

10

4

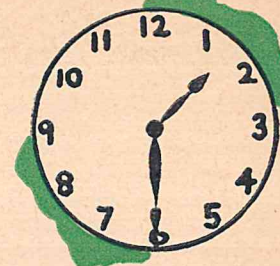
5

I
V
VI
III
X
IV
VII
XI
IX
II
VIII
XII



This is the way the clock looks at noon or midnight. Both hands point to 12.

The long hand of this clock points to 6. The short hand is half way between 1 and 2. The time is half past 1.



Below each clock write the time it shows.



half
past ____



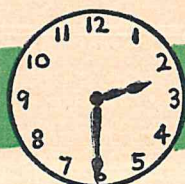
half
past ____



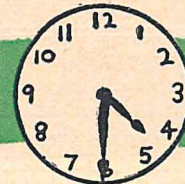
half
past ____



half
past ____



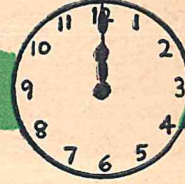
half
past ____



half
past ____



half
past ____

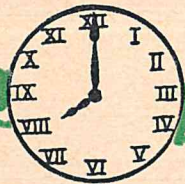


o'clock

Write the time in each blank space.



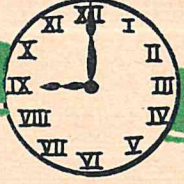
Susan gets up
at half past



Susan eats
breakfast at



Susan goes to
school at half



School begins
at ____ o'clock.



Susan goes
home at half



Susan goes
to bed at

____ o'clock. past ____

past ____ half past ____

Below each Roman number write our number.

I

III

IV

IX

VI

XII

V

VII

X

XI

This is a foot ruler. It is 12 inches long.

You can measure inches and half inches with it.

Measure these lines. Write the number that tells how long each line is.

Mark off the given length on each of the lines below.

$\frac{1}{2}$ inches _____

2 inches _____

$2\frac{1}{2}$ inches _____

$3\frac{1}{2}$ inches _____

5 inches _____

$4\frac{1}{2}$ inches _____

6 inches _____

$6\frac{1}{2}$ inches _____

_____ $4\frac{1}{2}$ inches

_____ inches

_____ inches

_____ inches

_____ inches

_____ inch

_____ inch

The Dozen and Half Dozen



Here are a dozen apples.

How many apples are in a dozen? _____

Color 6 apples red. Color 6 apples green.

There are 6 apples in one-half dozen.



How many hearts are there? _____

Color one dozen hearts blue.

Color one-half dozen hearts yellow.

Add or subtract:

$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$
$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$

1. Mary's doll is 10 inches tall.
Susan's doll is 8 inches tall.
Mary's doll is how much taller
than Susan's? ____

$$\begin{array}{r} 10 \\ - 8 \\ \hline \end{array}$$

5. David's dog is 9 years old.
John's dog is 5 years old.
How many years younger is
John's dog? ____

2. John has 7 cents. He wants to
buy a boat for 10 cents. How
much more does he need?
____ cents

6. Susan went to school at 9
o'clock. She came home at
12 o'clock. How many hours
was she at school? ____





3. Susan spent a nickel for candy
and a nickel for ice cream.
How much did she pay in all?
____ cents

7. John caught 4 fish and David
caught 5 fish. How many fish
did they both catch?


4. Bob wanted to buy a 10-cent
pencil. He had 6 cents. How
much more did he need?
____ cents

8. Susan is 7 years old. How old
was she 3 years ago?

Add:

$\begin{array}{r} 1 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	$\begin{array}{r} 3 \\ 3 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 1 \\ 3 \end{array}$	
$\begin{array}{r} 1 \\ 5 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 1 \\ 6 \end{array}$	$\begin{array}{r} 7 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 4 \end{array}$	$\begin{array}{r} 1 \\ 7 \end{array}$	$\begin{array}{r} 1 \\ 8 \end{array}$	$\begin{array}{r} 3 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 6 \end{array}$	
$\begin{array}{r} 2 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 5 \end{array}$	$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 6 \end{array}$	$\begin{array}{r} 4 \\ 6 \end{array}$	$\begin{array}{r} 1 \\ 9 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	
$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 8 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 3 \\ 7 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 2 \\ 8 \end{array}$	

Adding Zeros

$\begin{array}{r} 1 \\ 0 \end{array}$	$\begin{array}{r} 0 \\ 4 \end{array}$	$\begin{array}{r} 9 \\ 0 \end{array}$	$\begin{array}{r} 0 \\ 5 \end{array}$	$\begin{array}{r} 8 \\ 0 \end{array}$	$\begin{array}{r} 2 \\ 0 \end{array}$	$\begin{array}{r} 6 \\ 0 \end{array}$	$\begin{array}{r} 4 \\ 0 \end{array}$	$\begin{array}{r} 0 \\ 6 \end{array}$	$\begin{array}{r} 6 \\ 0 \end{array}$	$\begin{array}{r} 3 \\ 0 \end{array}$	$\begin{array}{r} 0 \\ 0 \end{array}$	
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---

I made ____ blue stars.

Subtract:

$$\begin{array}{r} 2 \\ 1 \end{array}$$

$$\begin{array}{r} 4 \\ 1 \end{array}$$

$$\begin{array}{r} 3 \\ 1 \end{array}$$

$$\begin{array}{r} 5 \\ 2 \end{array}$$

$$\begin{array}{r} 3 \\ 2 \end{array}$$

$$\begin{array}{r} 5 \\ 1 \end{array}$$

$$\begin{array}{r} 4 \\ 2 \end{array}$$

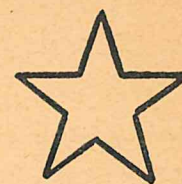
$$\begin{array}{r} 6 \\ 1 \end{array}$$

$$\begin{array}{r} 6 \\ 3 \end{array}$$

$$\begin{array}{r} 4 \\ 3 \end{array}$$

$$\begin{array}{r} 5 \\ 4 \end{array}$$

$$\begin{array}{r} 5 \\ 3 \end{array}$$



$$\begin{array}{r} 6 \\ 2 \end{array}$$

$$\begin{array}{r} 6 \\ 4 \end{array}$$

$$\begin{array}{r} 8 \\ 1 \end{array}$$

$$\begin{array}{r} 7 \\ 2 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \end{array}$$

$$\begin{array}{r} 9 \\ 1 \end{array}$$

$$\begin{array}{r} 8 \\ 2 \end{array}$$

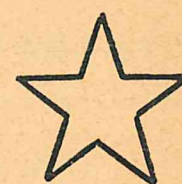
$$\begin{array}{r} 6 \\ 5 \end{array}$$

$$\begin{array}{r} 9 \\ 8 \end{array}$$

$$\begin{array}{r} 7 \\ 4 \end{array}$$

$$\begin{array}{r} 8 \\ 3 \end{array}$$

$$\begin{array}{r} 7 \\ 1 \end{array}$$



$$\begin{array}{r} 10 \\ 1 \end{array}$$

$$\begin{array}{r} 8 \\ 4 \end{array}$$

$$\begin{array}{r} 10 \\ 7 \end{array}$$

$$\begin{array}{r} 7 \\ 3 \end{array}$$

$$\begin{array}{r} 10 \\ 8 \end{array}$$

$$\begin{array}{r} 9 \\ 2 \end{array}$$

$$\begin{array}{r} 10 \\ 3 \end{array}$$

$$\begin{array}{r} 7 \\ 6 \end{array}$$

$$\begin{array}{r} 10 \\ 9 \end{array}$$

$$\begin{array}{r} 9 \\ 4 \end{array}$$

$$\begin{array}{r} 10 \\ 2 \end{array}$$

$$\begin{array}{r} 7 \\ 5 \end{array}$$



$$\begin{array}{r} 9 \\ 6 \end{array}$$

$$\begin{array}{r} 10 \\ 6 \end{array}$$

$$\begin{array}{r} 9 \\ 5 \end{array}$$

$$\begin{array}{r} 10 \\ 5 \end{array}$$

$$\begin{array}{r} 8 \\ 5 \end{array}$$

$$\begin{array}{r} 10 \\ 4 \end{array}$$

$$\begin{array}{r} 9 \\ 3 \end{array}$$

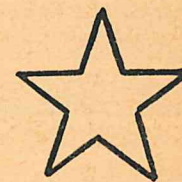
$$\begin{array}{r} 9 \\ 7 \end{array}$$

$$\begin{array}{r} 10 \\ 4 \end{array}$$

$$\begin{array}{r} 8 \\ 6 \end{array}$$

$$\begin{array}{r} 9 \\ 4 \end{array}$$

$$\begin{array}{r} 8 \\ 7 \end{array}$$



Do what the signs tell you to do.

$$\begin{array}{r} 8 \\ + 1 \end{array}$$

$$\begin{array}{r} 10 \\ - 9 \end{array}$$

$$\begin{array}{r} 9 \\ - 3 \end{array}$$

$$\begin{array}{r} 8 \\ + 2 \end{array}$$

$$\begin{array}{r} 9 \\ - 8 \end{array}$$

$$\begin{array}{r} 7 \\ + 2 \end{array}$$

$$\begin{array}{r} 10 \\ - 5 \end{array}$$

$$\begin{array}{r} 9 \\ - 2 \end{array}$$

$$\begin{array}{r} 9 \\ - 6 \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \end{array}$$

$$\begin{array}{r} 10 \\ - 8 \end{array}$$

$$\begin{array}{r} 1 \\ + 8 \end{array}$$



$$\begin{array}{r} 9 \\ - 5 \end{array}$$

$$\begin{array}{r} 4 \\ + 5 \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \end{array}$$

$$\begin{array}{r} 9 \\ - 1 \end{array}$$

$$\begin{array}{r} 5 \\ + 4 \end{array}$$

$$\begin{array}{r} 7 \\ + 3 \end{array}$$

$$\begin{array}{r} 9 \\ - 7 \end{array}$$

$$\begin{array}{r} 4 \\ + 6 \end{array}$$

$$\begin{array}{r} 2 \\ + 7 \end{array}$$

$$\begin{array}{r} 10 \\ - 7 \end{array}$$

$$\begin{array}{r} 9 \\ - 4 \end{array}$$

$$\begin{array}{r} 6 \\ + 3 \end{array}$$



Write our number for each Roman number.

V = _____ X = _____ III = _____ VI = _____ IV = _____ XII = _____

Write the 3 other stories that the balls tell about 12.



$$9 + 3 = 12$$

Below each clock write the time it shows.



___ o'clock



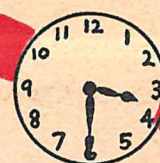
___ o'clock



___ o'clock



half past _____



half past _____



half past _____

Measure the lines.

_____ inches

_____ inch

_____ inches



6	11	5	11	5	11
+ 5	- 6	+ 6	- 5	+ 6	- 6
_____	_____	_____	_____	_____	_____

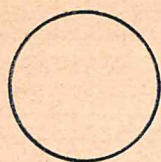


12	4	12	4	8	12
- 4	+ 8	- 8	+ 8	+ 4	- 8
_____	_____	_____	_____	_____	_____

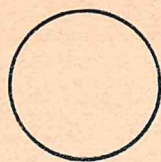
Easy Problems

Write the answers in the blanks.

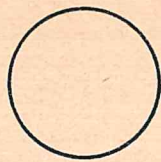
- | | |
|---|--------------------------------------|
| 1. 3 cents and 5 cents are ____ cents. | 11. 7 is ____ less than 10. |
| 2. 3 nickels from 4 nickels is ____ nickel. | 12. A dime equals ____ cents. |
| 3. 1 nickel equals ____ cents. | 13. 5 and 2 more make ____ . |
| 4. 4 balls are ____ more than 2 balls. | 14. 2 and 5 more make ____ . |
| 5. 3 cats are ____ less than 6 cats. | 15. 3 plus 7 equals ____ . |
| 6. 7 mice minus 2 mice are ____ mice. | 16. 6 from 9 are ____ . |
| 7. 2 dolls from 6 dolls are ____ dolls. | 17. 1 foot = ____ inches. |
| 8. 7 trucks and 2 trucks are ____ trucks. | 18. 4 pigs and 4 pigs are ____ pigs. |
| 9. 6 boys and ____ boys are 8 boys. | 19. 4 from 9 = ____ . |
| 10. 7 is ____ more than 5. | 20. 9 is ____ more than 6. |



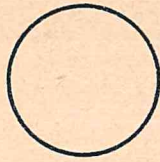
1st
First



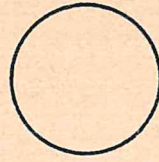
2nd
Second



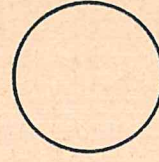
3d
Third



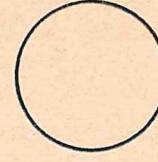
4th
Fourth



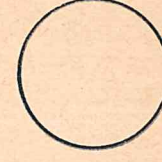
5th
Fifth



6th
Sixth



7th
Seventh



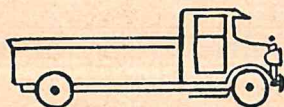
8th
Eighth

Color the third ball red.
Color the sixth ball green.
Color the second ball blue.
Color the eighth ball black.

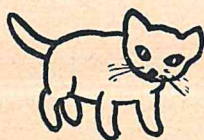
Color the fifth ball yellow.
Color the first ball brown.
Make a red X on the seventh ball.
Make a blue O on the fourth ball.



top



truck



cat



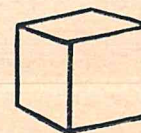
doll



dog



rabbit



box



mouse

The truck is 2nd.

The top is _____.

The doll is _____.

The rabbit is _____.

The mouse is _____.

The box is _____.

The dog is _____.

The cat is _____.

To add you think down.

4 and 2 are 6.

6 and 1 are 7.

$$\begin{array}{r} 4 \\ 2 \\ 1 \\ \hline 7 \end{array}$$




To check you think up.

1 and 2 are 3.

3 and 4 are 7.





You should check your work and make sure it is right.

Add and check. If you get them all right in a row, color the star blue.


1	$\begin{array}{r} 1 \\ 1 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 4 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 2 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 4 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 3 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 1 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 1 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 1 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 2 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ 1 \\ 4 \\ \hline \end{array}$	
2	$\begin{array}{r} 1 \\ 4 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 1 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 2 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 2 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ 4 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 6 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 1 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 1 \\ 6 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 2 \\ 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 5 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 5 \\ 2 \\ \hline \end{array}$	
3	$\begin{array}{r} 2 \\ 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 6 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 5 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 1 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 2 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ 3 \\ 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 4 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ 3 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 1 \\ 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ 2 \\ 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ 5 \\ 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ 1 \\ 2 \\ \hline \end{array}$	

New word: check.

Add down and check by adding up.





1	$\begin{array}{r} 1 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 5 \end{array}$	$\begin{array}{r} 2 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 3 \end{array}$	$\begin{array}{r} 1 \\ 6 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	
2	$\begin{array}{r} 1 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 2 \\ 4 \end{array}$	$\begin{array}{r} 1 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 5 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 1 \\ 7 \end{array}$	$\begin{array}{r} 2 \\ 6 \end{array}$	$\begin{array}{r} 1 \\ 8 \end{array}$	$\begin{array}{r} 4 \\ 4 \end{array}$	$\begin{array}{r} 7 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 9 \end{array}$	
3	$\begin{array}{r} 8 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 4 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 3 \\ 6 \end{array}$	$\begin{array}{r} 2 \\ 8 \end{array}$	$\begin{array}{r} 3 \\ 5 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 3 \\ 7 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	
4	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 5 \end{array}$	$\begin{array}{r} 4 \\ 6 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 4 \\ 6 \end{array}$	

Who am I?

5	I am	Who am I?	I am	Who am I?	
	3 more than 5.	_____	$2 + 1 + 2.$	_____	
	6 plus 3.	_____	4 more than 6.	_____	
	7 and 2.	_____	just after 17.	_____	

I have ____ blue stars.

Subtract:

1	$\begin{array}{r} 2 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 1 \end{array}$	$\begin{array}{r} 3 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 1 \end{array}$	$\begin{array}{r} 4 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 4 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	
2	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 6 \end{array}$	$\begin{array}{r} 6 \\ 4 \end{array}$	$\begin{array}{r} 7 \\ 5 \end{array}$	$\begin{array}{r} 8 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 5 \end{array}$	$\begin{array}{r} 7 \\ 4 \end{array}$	$\begin{array}{r} 8 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 7 \\ 3 \end{array}$	
3	$\begin{array}{r} 8 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 1 \end{array}$	$\begin{array}{r} 10 \\ 1 \end{array}$	$\begin{array}{r} 10 \\ 2 \end{array}$	$\begin{array}{r} 10 \\ 3 \end{array}$	$\begin{array}{r} 8 \\ 4 \end{array}$	$\begin{array}{r} 9 \\ 4 \end{array}$	$\begin{array}{r} 8 \\ 6 \end{array}$	$\begin{array}{r} 9 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 7 \end{array}$	$\begin{array}{r} 10 \\ 4 \end{array}$	$\begin{array}{r} 9 \\ 3 \end{array}$	
4	$\begin{array}{r} 9 \\ 5 \end{array}$	$\begin{array}{r} 9 \\ 6 \end{array}$	$\begin{array}{r} 10 \\ 5 \end{array}$	$\begin{array}{r} 9 \\ 4 \end{array}$	$\begin{array}{r} 10 \\ 8 \end{array}$	$\begin{array}{r} 7 \\ 6 \end{array}$	$\begin{array}{r} 10 \\ 6 \end{array}$	$\begin{array}{r} 9 \\ 7 \end{array}$	$\begin{array}{r} 10 \\ 9 \end{array}$	$\begin{array}{r} 8 \\ 5 \end{array}$	$\begin{array}{r} 9 \\ 8 \end{array}$	$\begin{array}{r} 10 \\ 7 \end{array}$	

In subtracting $\begin{array}{r} 8 \\ - 5 \\ \hline 3 \end{array}$ think "5 from 8 = 3."

5 from 7 = ____

5 from 8 = ____

1 from 6 = ____

6 from 9 = ____

2 from 9 = ____

3 from 9 = ____







2 from 4 = ____

4 from 8 = ____

3 from 7 = ____



Do what the signs tell you to do.

1	$\begin{array}{r} 1 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 1 \\ \hline \end{array}$	
2	$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ + 2 \\ \hline \end{array}$	
3	$\begin{array}{r} 1 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 2 \\ \hline \end{array}$	
4	$\begin{array}{r} 9 \\ - 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 2 \\ \hline \end{array}$	
5	$\begin{array}{r} 4 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 1 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ + 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$	
6	$\begin{array}{r} 7 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ - 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ - 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 7 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ - 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ + 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ - 4 \\ \hline \end{array}$	

Read each story and think the answer. Write the answer in the blank space.

1. John's hens laid 6 eggs in one day. He sold 4 of them. How many eggs did he have left?

6. There were 7 boys and 5 girls at Mary's party. How many more boys than girls were there?

2. Mary has 3 black kittens and 2 white kittens. How many kittens does Mary have?

7. David wants to buy a ball that costs 10 cents. He has 8 cents. How many more cents does he need?

3. David found 6 little rabbits. He gave 2 of them to Susan. How many did he have left?

8. Mary has 8 dolls and Susan has 5 dolls. How many fewer dolls has Susan than Mary?

4. Bob bought 2 red balls and 2 blue balls. How many balls did he buy?

9. In playing ring-toss David made 4 in his first try and 0 in his second try. How much did he make all together?


5. Susan's mother made 3 large cakes and 3 small ones. How many cakes did she make?

10. John wants to buy a pencil for 5 cents and a ruler for 4 cents. How much money does he need?


Write the number that tells who I am.

I am	Who am I?	I am	Who am I?
I am the number just before 19.		I am the Roman number for 7.	
I am between 8 and 10.		I am the number of inches in a foot.	
I am 2 more than 7.		I am the number of apples in a dozen.	
I am 3 less than 7.		I am the 6th of the numbers 4, 6, 2, 4, 1, 8, 9.	
I am the number of cents in a nickel.		I am the sum of 6 and 3.	
I am the number of cents in a dime.		I am our number for IV.	
I am the second number of 3, 5, 9, 7.		I am 1 ten and 4 ones.	
I am 7 plus 2.		I am the number of pints in a quart.	
I am the Roman number for 10.		I am 4 from 7.	

Add:

$\begin{array}{r} 4 \\ 5 \end{array}$	$\begin{array}{r} 6 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 4 \\ 3 \end{array}$	$\begin{array}{r} 6 \\ 0 \end{array}$	$\begin{array}{r} 2 \\ 8 \end{array}$	$\begin{array}{r} 3 \\ 5 \end{array}$	$\begin{array}{r} 2 \\ 7 \end{array}$	$\begin{array}{r} 2 \\ 0 \\ 4 \end{array}$	$\begin{array}{r} 1 \\ 2 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 0 \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 5 \\ 1 \end{array}$	
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	--	--	--	--	---

Subtract:

$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 8 \\ 4 \end{array}$	$\begin{array}{r} 9 \\ 3 \end{array}$	$\begin{array}{r} 7 \\ 2 \end{array}$	$\begin{array}{r} 4 \\ 1 \end{array}$	$\begin{array}{r} 5 \\ 3 \end{array}$	$\begin{array}{r} 9 \\ 6 \end{array}$	$\begin{array}{r} 8 \\ 2 \end{array}$	$\begin{array}{r} 6 \\ 2 \end{array}$	$\begin{array}{r} 3 \\ 1 \end{array}$	$\begin{array}{r} 7 \\ 5 \end{array}$	$\begin{array}{r} 8 \\ 5 \end{array}$	
---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---------------------------------------	---

3 4 6 9 8 7 5 2

The 1st number is ____

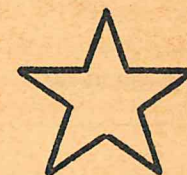
The 4th number is ____

The 2nd number is ____


The 8th number is ____

The 5th number is ____

The 3rd number is ____



Put the right number in each box.

										
two	nine	ten	one	seven	eight	three	four	five	six	

My name is _____

I am _____ years old.

I have _____ hands.

I have _____ feet.

I have _____ hands and feet.

I have _____ fingers.

I have _____ toes.

I have _____ fingers and toes.

I am _____ inches tall.

I weigh _____ pounds.

I am in the _____ grade.

I have _____ blue stars in my book.

I have _____ brothers.

I have _____ sisters.

There are _____ boys in our grade.

There are _____ girls in our grade.

There are _____ children in our grade.

I can count to _____.

I can write numbers to _____.

I can count by 2's to _____.

I can count by 5's to _____.

I get up at _____ o'clock.

I go to school at _____ o'clock.

I go to bed at _____ o'clock.

EXAMINATION
COPY



A BOOK BY WEBSTER

MY BOOK _____